proposed that a full report should be submitted only every third year, statistical returns, with brief explanatory statements, being forwarded in the intermediate years.

5. The following statement shows in detail the reports submitted to this Government and the manner in which it is proposed to deal with them:—

Statement showing the several Reports dear with by the Government of Bengal, together with the methods of treatment proposed for them.

| <u></u> | 1 | | | | |
|---|--|--|--|--|---------|
| Department of the Bengal Government in which dealt with | Subject | Ps whom submitted | Whether submitted to the General and of Si, to what Department | Recommendations | REMARKS |
| Revenue | Land Revenue | By C Hectars to Comm squares Con- ness ness t Board and Beird t Gevernment | R v nur mod Agricultural Department | on the tennal x stem (1) (a-noong escript dwines (2) Rein tense flind riand tense (2) Rein tense flind riand tense (3) I ristances (3) Irigation (3) I ristances (3) Irigation (4) I which is first riporties submitted by the intervention of (2) I minuskin ins. (1) I m | |
| Ditto | Wards' and Attiched I states | Ditt 3 ditto ditto | Ditto ditto | To be if med but considerable . | |
| Ditto | Орнию | By the tyr Op um Ar nisto Bould and bert to the number of | Deputment of Imame and | No change prop s ! | |
| Mtto . | Forest | By the Cens (val 1 c) lo ests | Bey nur and Agricultural Department | Shaddrem un unchanged the bulk bang curtail das duccted in the | |
| Ditto | Economie Museum | By th Charman of the Leonomi | Intto ditto | No change proposed | |
| Ditto . | Zoological Gardens | Hencery Sea try to the Committee Many ment of the & I go d | Net submitted | Intto | |
| Ditto | Administration of the Benzal Meteorological Department | tentis le sal Miterila cal Reporte wh simes this tithe India Meleci list al Riete | Ditto | Bufreports frtw years, with a full report the tried year | |
| Ditto General | Meteorology of Bengul Education | Benea Met al and Report a By the Distant all thole instruct a all distant all parts prepared to a for an instellar as me sent at the transforms for consists where the finite he promote education and the finite he promote education and its admittance the there is a majorite function to the consulate, at majorite in the tomoral for, at majorite is from up by Digity it spectors it sets. | Ditto Home Department , | A + change proposed Latto | |
| General | General Administration | By such divisional Officers to Cillian Cillians to Communication is and Commissioners to Covernment | Not submitted | This report may be somewhat cur- tail i by a r duction in the sec- t usus to which special reports are submitt i intender the | |
| Ditto Ditto . | On Native papers Review of publications | Benga' Translator Ly the B ngal I brancon through the | Ditt: Home Desirtmont | h adm, if Tours No change proposed Ditt) | |
| Ditto | Working of Act VV (1867 (Registration of Caparight) | On tri Public Instruction Ps the Dispect to maid of beas trution | Ditto | Pitto | |
| Ditto | Working of the Brahm : Matring Act | Datto datto | Not su mutted | Ditto | |
| Ditto | Inland Emigration | Superintend at of Linguistian | Revenue and Agricultural | Ditto | |
| Ditto Ditto | Colonial Lingration Inspection of tea gardens | Protected of Indigents We state of Chita one and Day dy commission and Chitas na H.1 Tracts to Chitas and Commis | Ditto ditto Not submitted | Ditt • Ditt • | |
| Statistical | Internal (Frontier) trade of Bengal | N mer to Government | Department of Finance and | Ditto | |
| Dtto | Radioune traffic of Bensal quar- terly in Lannual. The former is called a roturn. The rivir beine traffic of Pengal, the inland trade of Calcutta, and | tr in statistics collect d from vir our sources | Revenue and Agricultural | Ditto. | |
| Judicial . | the iride of the Chicag eg and Onssa parts Administration of the Police De partment | by Detrut Superintendent to (11 et es officions to Commissione) Commissioners to Inspector General | Home Department | The departmental portion of the upo t may be brief for two years and full for the third year, but | |
| Ditto , | Calcutta Police | of Place and Inspector-General of Telectic vernment By the Commissioner of Police, Cal | Ditto | the crime portion should continue | |
| Ditto | Vermeular newspapers Legal affairs | entia Directer of Public Instruction Legal Remembrancer | Ditto | No change proposed This report to be triennial but a ship tannual report to be made of | |
| Ditto Ditto | Calcutta Small Cause Court Inspection of steam boders Civil Justice in the Southal Per- | Judge Small Cause Court, Calcutta Commissioner of Police C deutta Commissioner of Bhugulpore and Son | Ditto Not submitted Ditto | any case of special importance No change proposed Ditto. | |
| Political | gunnahs Janis | thal Pergunnals By the Inspector-General of Jails | Home Department | That the report continue to be sub- | |
| Ditto | Registration | In specior General of Registration | Dıtto | sions That statistical tables with brief | |
| Ditto | Working of the Indian Companies Act VI of 1882 | Ditto ditto | Department of Finance and Commerce. | two years and a full report every third year. That statistical tables with brief explanatory notes be submitted for two years and a full report | |
| Ditto | Alipore Ba formatory School 4 | Vice-President of the Board of Mana- gers through the Inspector General | Not submitted | overy flurd year. No change proposed. | |
| Ditto Ditto | Hazaribuch Reformatory School Chattagong Hill Tracts | of Jule Inspector General of talk Depute Commission of the Chitte gong Hall Tracts through the Com- missioner of Chittagong | Ditto Foreign Department | Ditto. | |

| n nt ngul nont ch) ith | Bubject | By whom submitted. | Whether submitted to the Government of India and if so, to what Department | Recommendat ons. | RZMAR (8. |
|------------------------------------|---|--|---|---|-----------|
| | Hill Tippera'i Orissa Tributary Mchals | Collector of Tipperali through the Commissioner of Chittigony Commissioner of Orissa | I orcigii Dipartment Ditto | No change proposed. No change proposed in these reports to pit that they are to be can teld in dimensions. If the being | |
| ı | Chota Nagpore Tributary Mehals Stamps | Commissioner of Chota Nagpore By Collecters to Commissioners, Com- missioners to Bould, Board to Cov- cinnent | Ditto J Department of Finance and Commerce | n ne servet rexample in kiv my eightyen in history of each State there! That statistical returns with brief explaint by ness and a full report the thereby are | |
| | Pxcise | Ditto ditto Dit*o ditto | Dift 5 Dift 6 | Neithinge proposed The will now be replaced by the The me tax Report which should be annual | |
| | Road and Public Works Cess | Dítto dítta | Ditta | May I ab lished conly the statistical full by which now accompany the LLL II shoul? continue to be sibinited with in G. (Alpinitory notes where necessary. The subject forms is constitute B and s. L. and Revenue Administration Rec.) of | |
| 1 | Sult | By the officers of sulfcrous districts to Commissions Commissions to maissions to be red to be a transient | Department of Pinance and Commerce. | No change proposed | |
| ÷ | Customs | By the C Berter et Customs through the Bert of Revinue | Ditto ditto | Ditto | |
| | Stationery Review of Provincial Service Accounts | By the Board of Revenue They marely a Resolution annually recorded by the Limanenal Deput ment | Depirta at of Finance and Commerce | lo continue numer the rease to be hunted to a brack split it is note commenting on the mor- prominent figures in the state marks | |
| al | On mumeipahtus | By Magistrates to Commissioners, Commissioners to Government | Home Department (A general Frontier Liper to the Compiled in the Secretarist is submitted to the Covernment of India) | Incontinue annual Orders will however be issued or the imprevement of the firm and the entailment of the length of the divisional reports. Municipal reports should include the working of the ledwinghous Act wherever this it in force as separate report being submitted on the latter. | |
| | Calcutta Municipality Working of the Lodging-house Act | the let is in free) | | Ne change rop s 1 To be amalgament (with it Mann engal rep it reel recommenda- tion about the Mannepal report above) | |
| | District Boards (Working of the Local Self Government Acc) | lo be submitted by Magistrites to Commissioners, Commissioners to Gevernment | A general Previoual report control both Secretaria to be submitted to the Home Department | Should be nunual. | |
| | Dispensaries • | (All Sure as to Magistrates Magistrates to Commissioners (Commissioners) hisporter General of Civil Respirals Laporter General of Civil II spatals to Covariment By the Cantonnum Committees to | Home Department | Fo be the mile statished actions being submitted in the intervolving years To be submitted direct through | |
| | Cantonment Lock hespitals | Ma istintes Magistrates to Commis- si ners, Commiss 118 to Govern ment | Ditto | the lead Mentary authorities if the Mantary Department require the riports | 1 |
| | Calcutta Hespitals Sanitation | Inspired General of Civil Hospitals Sunit ity Commissioner | Pitto Ditto | No claim proposed to continue an unit with the length red of it it posits. The Vaccination report which row forms a chopt of this report should be acquired via submitted, and the right of the Haith Offlicer of the Life Creates should be marginament at the Similation keport under sect M. | |
| | Vaccination | The a reasonable and | Ditto | To be friennial with statistical re- turns in the intervening years | |
| | Lunate: Asylums Work of the Chemical Examiner Botanical Gardons | Inspector-General of Civil Hospitals Ditto | Ditto Ditto . Revenue and Agricultural | Ny change proposed To be triemnal statistical returns with brief explined you testering submitted in their tervening years No change proposed. | |
| | Cinchona and Cinchona Planta | | Department Home Department | Ditto | |
| | Working of the Jule Warehouse and Fire brig de Act in Calcutta Suburbs and Howiah | the Muncipalities of the Submiss and Howish, through it spective Ma gistrates and Commissioners. | | Ditto | |
| | Calcutta Port Trust | Calcutta Port Commissioners | Department of Finance and Commerce, also submitted to Public Works and Mili- tary (Marine) Department | | |
| * | Administration of the Marine Department. | | Commerce and Military | To be smalk most 1 remuning | |
| | Light-houses | Dilto Board of Revenue | Decartment of Finance and Commerce Not submitted | To continue innuil, but be to some | |
| : | Calcutta Shipping Office . Antiscorbutics . Chittagong Port | Ditto | D tto | Otton Curtal d No inner proposed Ditt | |
| | Orissa Ports | somer, Commissioner to Government Colle tor of Cuttack to Commissioner, Commissioner to Government, Santary Commissioner | Home and Finance and | T be smalgamet d with the Samta | |
| 200 | Health of the Cascutta Port | | Commerce Departments | tim Report 17/1 recommendation about the Somiation Report above) No change proposed | |
| Work | | Boad Cess Committees to Commissioner Commissioner to Government. | Ditto | Ditt The recent law invests this a port with special mosts this a port with special may reacce it the present time. These have been abolished. | |
| | . Supplementary reports on ros | d Commissioners | Not submitted | and and a second another Cut, | i |

| Department of the Bengal Government in which dealt with | Subjects | By whom submitted | Whether submitted to the Government of India and if so, to what Department | Recommendations | REMAIN |
|---|--|---|--|--------------------|--------|
| Publi Works | Irrigation . | Collectors to Commissioners, Commissioners to Covernment (Only the Che tasmith Orissa Diession, and this ed Shahabad Paters Greand Midney regard theories; 100 Com | Public Works Department | No change proposed | |
| Ditto | Nudden Rivers and Circular and Enstein Canals | n sc n is an concern 11 (h + c) N d brand 1 h C lector 1 temmissioner (mm + ner to 1 and Board to Gay 1 - m! | Datt | To be tra nmal | |
| Pitto | Embankments | hi in Executive Linari (1) Superim teding, Lingui (1) Su in tending I n incer (1) Collector (1) I for to to amissimer (1) mins (n) to Board Board to Government | | No change proposed | 75 |

No. 28-1579-95.

Extract from the Proceedings of the Government of India, in the Home Department, (Public), - under date Simla, the 15th July 1857.

RLAD the undermentioned papers-

Home Department Resolution No. Adapted 12th August 1885.

From the Government of Madras, No. 182C., dated 14th June 1886, and enclosures From the Government of Midris, No. 1456, dated 12th July 1886, and enclosures From the Government of Binbay, No. 1991, dated 13th March 1886, and enclosures From the Government of Bombay, No. 1060, dated 22nd Mirch 1886, and enclosures.

From the Government of Bengal, No 634 -20 Mis, dated 19th Pebruary 1881, and enclosures From the Government of Bengal, No 1529 FR a sted 3) I November 1889, and enclosure. From the Government of Bengal, No 3593, duted 30th December 1886. From the Government of Bengal, No 121, dated 3rd January 1887. From the Government of the North Western Provinces and Ou lb, No. 128, dated 11th February 1886.

ruary 1856, and enclosure

From the Chief Commissioner of the Central Provinces, No. 3081

From the Chief Commissioner of Burma, No 533-148N, dated 25th September 1885, and

enclosure

From the Chief Commissioner of As am, No. 5283, dated 27th August 1895 From the Chief Commissioner of Corg, No. 1167, dated 19th September 1885

From the Resident at Hyderabid, No. 186, dited 22nd January 1886, and enclosures.

RESOLUTION .- The subject of discussion in the papers cited in the preamble is the preparation and printing of annual departmental reports submitted to the Government of India in the Home Department. In a letter No 3928., dated the 22nd June 1885, the Government of the Punjab solicited a reconsideration of the whole question of the preparation and treatment of annual reports so far as that Province was concerned. The alterations suggested by Sir Charles Aitchison and the views provisionally held by the Government of India on the question are summarised in Home Department Resolution of the 12th August 1885, But as the subject was not one of merely local importance, the Governor-General in Council desired, before coming to a final decision, to have a full expression of the opinions of Local Governments and Administrations upon the proposals of the Punjab Governm nt, so far as they affected the reports which are submitted to the Home Department. The replies from Local Governments and Administrations, read in the preamble, certain their opinions on the matter.

- 2. The proposals of the Punjab Government were made with the double object (1) of removing the burden thrown upon district officers, heads of departments, and Secretariat establishments in connection with the preparation and reviewing of annual reports; and (2) of reducing the cost of printing the reports. These proposals have not been accepted in full by any Local Government or Administration, except by the Chief Commissioner of Burma; and Mr. Consthwaite, the present Chief Commissioner of that Province, holds, as his reply from the Central Provinces shows, different views from those held by Sir Charles Bernard. The Governments of Madras, Bombay, and Bengal have to some extent accepted the proposals in question, and the Chief Commissioner of Coorg has expressed his opinion generally in favour of having statistical tables, accompanied by notes,
- for two years, and in the third year a set of comprehensive departmental reports.

 3. The most adverse criticism of the proposals made by the Punjab Government proceeds from the Government of the North-Western Provinces and Oudh, from the Administrations of the Central Provinces and of Assam, and from the Resident at Hyderabad. The Licutenant-Governor of the North-Western Provinces and Chief Commissioner of Oudh is of opinion that the presentation of evidence of departmental efficiency, and the collection, in a convenient form, of information useful for administrative and other purposes, cannot be secured under a system of triennial reporting with intermediate statistical tables and brief explanatory notes. He considers that, as was suggested in paragraph 7 of Home Department Resolution of 12th August 1885, the brief notes would probably be of little practical value while the triennial report would necessarily be prolix and involve much labour in its preparation. The latter, moreover, would be four years old

before the orders of Government could be passed or and subsequent action taken upon it. Sir A. Lyall observes that the labour of scrutinizing statistics is little augmented by that of writing a report on them, and that a careful scrutiny and comparison of past and present returns is a necessary part of the duty of the heads of departments in administrating. But, we deep poposed to the general adoption of the proposals of the Punjab Government, Sir A. Lyall would meet them to some extent by doing away with reports on certain subjects and by substituting for them statistical tables accompanied every year by a brief commentary in the form of notes, such as is now supplied by the Local High Courts of judicature in reviewing the Criminal and Civil Justice returns.

4. Mr Crosthwaite, at the time (hief Commissioner of the Central Provinces, concurs in the views of the Government of the North- Western Provinces and Oudh in regard to the small amount of labour required to write a report, when once the relevant statistics have been systematically studied. He remarks that the system of writing reports is useful, masmuch as it ensures that statistics have been scrutimised, and that it enables the Government to see how much care and intelligence have been devoted to this scruting moreover, in Mr. Crosthwaite's opinion, enable administrative offi ers to periodically survey the whole of their work and to judge of the effects of it, while they assist Government in seeing how far the recognised principles of administration have been applied and how far errors require to be corrected. If for annual reports triennial reports were substituted, there is, he thinks, likely to be the disadvantage that the officer who had done the work would not ordinarily write the report, or, if he did, that his recollection of the facts regarding which he was writing would have grown dim with time. Under such a system, too, errors of administration could not be corrected at once. Mr Crosshwaite admits that reports and reviews are often unnecessarily prolix, and should be curtailed, and he suggests that the extended distribution of reports which at present prevails is unnecessary and expensive. He also deprecates the style of review which merely repeats, in other and perhaps fewer words, what is stated in the report

The Officiating Chief Commissioner of Assam considers that the proposals of the Punjab Government are unsuitable to that I rovince, and would lead to serious practical inconvenience Mr. Ward is of opinion that the value of reports to departmental officers would be lost by triannial reports, while the labour of compiling the latter would be very great, particularly to officers who had held their charges only for a small portion of the

three years.

The Resident at Hyderabad doubts if the proposed reform would have an useful effect, and argues that the review of the year's transactions by the heid of the Government affords an incentive to work. Praise or blame, in the Resident's opinion, loses its effect if it relates to a time long passed away. The officer concerned may have left the locality, and it does not always happen that an officer remains at his post for the whole three years

for which he would have to write the report.

of India in the Home Department, as expressed in the Resolution of the 12th August 1885, that it was not possible to go as far as was proposed by the Punjab Government in the direction of curtailing the preparation and submission of annual reports. After giving the subject full consideration, the Government of India agrees in the main with the remarks made by the Government of the North-Western Provinces and Oudh and the present Chief Commissioner of Burma, regarding the usefulness of annual reports as a means of testing departmental efficiency and the judgment and energy of officers, and also of checking and correcting administrative mistakes. Applying this principle, the Governor-General in Conneil is of opinion that annual reports must be maintained in the two following cases—

(a) Where the reports deal with the application of administrative principles still open to modification or the concrete working of which has to be watched.

(b) Where the reports contain statistics which, for administrative purposes, must be

complied and examined annually.

These two heads comprise so many of the reports now falling under the cognizance of the Home Department that the conclusion to which His Excellency in Council has come is that, beyond insisting on brevity and methodical arrangement in the reports themselves and on curtailment of reviews of them, it is impossible to afford much relief to Local Governments in the direction contemplated by this enquiry. The Government of India therefore desires that the reports deals with in the Home Department should from 1887 onwards be treated in the following manner;—

- (i) To be submitted annually as heretofore— Report on General Administration.
 - " Municipal Administration.
 - " Local Boards' Administration.
 - " Education.
 - , Sanitation.
 - Civil and Criminal Justice.
 - " Jail Administration.
 - .. Police Administration.
 - Lunatic Asylums.
- (ii) To be submitted in full every third year, statistical returns and brief commentaries in the shape of notes being submitted in the intermediate years—

Report on Registration.

Dispensaries.
Lookshospitals.
Wassington.

Restruction of wild beauts and snakes.

The notes to be submitted with the statistical returns in the years intermediate between the submission of the reports should give a clear, though brief, indication of the supervising or controlling officer's opinion as to the significance of the statistics.

6. The following special reports should continue to be submitted as before:-

Chemical Examiner's Report.

Report on Calcutta Medical Institutions

Report of the Port Health Officer, Calcutta.

Report of the Commissioners of the Town of Calcutta.

Report on Publications under Act XXV of 1867.

The Review of Publications.

The Report on Vernacular Papers.

The Government of India leaves to Local Governments, who submit reports on Legal Affairs and (riminal Tribes, discretion to determine whether these reports shall be annually prepared as at present or prepared every third year, with brief notes in the intermediate

The Governor-General in Council would desire to express his earnest hope that Local Governments and Administrations will insist on curtailment of reports to the utmost extert which is consistent with a proper examination of the facts and figures presented in them. A reduction in the size of the reports on Jails, Police Education, and Sanitation is e-pecially necessary. In most provinces these reports have become far too discursive.

Compression of reviews is not less called for than curtailment of reports: a review

should contain only what is necessary to communicate the judgment of the reviewing authority regarding the sahent features of the report. The Governor General in Council attaches no value to reviews which merely repeat in abridged form what is set forth in the report

8. While thus recognising the need which exists for compression in the reports and reviews which reach the Government of India, His Excellency in Council is no less desirous that the same panciples should be carefully followed as regards reports acceived by Local Governments and Administrations, but not forwarded to the Government of India. He fears that the time of administrative and executive officers is unnecessarily occupied as much by the preparation of reports and returns submitted for the information of the local authorities as by the properation of those which reach the Government of India. He has therefore observed with satisfaction that the Government of Bengal has recently, in councetion with the report of the Salaries Commission, directed its attention to this aspect of the case, and he trusts that all other Local Governments and Administrations will exercise a vigorous discretion not only in reducing the bulk of the reports and roturns which are retained, but also in abolishing those that are not really required,

ORDER -- Ordered that a copy of this Resolution be forwarded to all Local Governments and Administrations for information and guidance, and that a copy be forwarded to the other Departments of the Government of India for information and further necessary

action, and that it be published in the Supplement to the Gazette of India.

[True I stract]

A P. MICDONNELL, Secretary to the Government of Intra.

No. 1117, date | Sunla, the 23rd August 1887

RESOLUTION -- By the Government of India, Department of Finance and Commerce.

READ the undermentioned papers-

From the (revernment of the Punja'), No 3048, dated the 22nd June 1885, and enclosures.

R colution in the Home D pertment, No 1 1 1 dated the 12th August 1885.
Circular letter to all Local Governments (except the Punjab), No. 2050, dated the 28th August 1885

I rom the Chief Commissioner of Assam, No 5603, dated the 25th September 1885, and enclosure. From the Chief Commissioner of Coorg. No. 1170, dated the 29th September 1885, and enclosures.

From the Charl Commissioner of British Burma, No. 687-148N, dated the 30th September 1885, and enclosures

From the Chief Commissioner of the Central Provinces, No 3683A dated the 19th September 1885 in l'enclosures

From the Resident at Hyderabad, No 21G, dated the 28th January 1886, and enclosures.

From the Government of the North-Western Provinces and Oudh, No. 160
111-783, dated the 13th February 1886 and enclosures

From the Government of Bombay, No. 992, dated the 13th March 1886.

From the Government of Madras, No. 482B, dated the 14th June 1886, and enclosures.

From the Government of Madras, No. 1456, dated the 12th July 1886, and enclosures.

From the Government of Bengal, No. 1531T R, dated the 3rd November 1886, and enclosures.

From the Government of Bengal, No. 2798, dated the 30th December 1886.

Resolution in the Home Department, No 1579-95, dated the 15th July 1887.

RESOLUTION .- The remarks and orders contained in the Resolution of the Home Department of 15th July above quoted, which are confined to reports furnished to that

. Opium. Minta. Stamps. Joint Stock Companies. Excise.
Assessed Taxes.

Department, seem to apply equally to the annual reports upon subjects administered in this Department. The general opinion of the Local Governments who were consulted on the subject in

Dearing on revenue matters. The administration of Provincial revenues is left so much in

the hands of Local Governments, and they are also financially so greatly interested therein, that it is not, in the opinion of the Government of India, expedient to restrict the Provincial authorities with respect to the information they may consider it desirable to collect and to place on record regarding them.

2. In the case of Opium and Salt Administration Reports, the fiscal interests involved are of such great importance that, even if the fullest information were not necessary for the purposes of the Local Governments, annual reports would be required by the Government of India in order to enable it to watch the administration of the revenue. These reports should therefore be as full as possible without being prolix, and should be furnished to the

Government of India annually as at present.

3. As regards the reports on Stamps, the Governor-General in Council has no objection to their being prepared and submitted triennially by any Local Government which considers this sufficient. Statistical information only would in this case be submitted in the intermediate years. The reports on the External Land Trade may also be submitted triounially in the same way, the monthly statistics of the trade being transmitted to this Department as at present.

4. The remarks contained in paragraph 5 of the Home Department's Resolution on the necessity of methodical arrangement are specially applicable to the reports submitted to this Department. In reports bearing on revenue matters and trade, comparisons with past years are of special value; but these are rendered difficult unless a systematic arrange-

ment is observed in the subjects dealt with.

5. The Excise reports should in all cases be prefixed by a concise description (which may be repeated from year to year) of the various systems on which the exciso is administered in the province concerned, and the extent to which each system applies. There is necessarily in such matters much diversity of practice, and the value of the reports is occasionally diminished by the use of technical terms, whose precise signification is little known beyond the limits of the province, and is often different in different provinces.

ORDER .- Ordered that a copy of this Resolution be forwarded to all Local Governments and Administrations and to the Heads of Departments under the Department of Finance and

Commerce for information.

Circular No. $\frac{52G}{69-6}$.

Extract from the Proceedings of the Government of India, in the Revenue and Agricultural Department (General), under date Simla, the 14th September 1887.

READ the undermentioned papers relating to the curtailment of annual reports :-

 Circular to Local Governments and Administrations, No. 6/21-1, dated the 21st January 1886.
 From the Government of Madras, No. 482A., dated the 14th tune 1886. (2) From the Government of Madras, No. 482A., dated the 14th July 1886.
(3) " 1456, " 12th July 1886.
(4) " Bombay, No. 2183, dated the 19th June 1886.
(5) " Bombay, No. 635—21Mis., dated the 19th February 1886.
(6) From the Government of Bengal, No. 1531T.R., dated the 3rd November 1886.
(7) " 3595, dated the 3rth December 1886.
(8) " North-Western Provinces and Oudh, No. 131 111-785 dated the 13th February 1886. (9) From the Government of Punjab, No. 408, dated the 10th September 1886.
10) , , 1068, , 19th May 1887.

(11) To the Government of Punjah, No. 482 dated the 2nd June 1887. (12) From the Chief Commissioner, Central Provinces, No. 564, dated the 27th July 1886.
(13) From the Chief Commissioner, Burma, No. 395—58R., dated the 17th March 1886.
(14) From the Chief Commissioner, Assam, No. 1192, dated the 22nd February 1886.
(15) Resident at Hyderabad, No. 63G., dated the 5th March 1886.

(16) Resolution recorded in the Home Department, No. 28/1579-96, dated the 15th July 1887.

RESOLUTION .- This Resolution may be considered as supplementary to that issued in the Home Department, No. 28, dated 15th July 1887, the general principles expressed in which may be applied to reports submitted to the Government of India, in the Revenue and Agricultural Department. The reports thus submitted are concerned with the subjects enumerated below-

(1) Land Revenue Administration.

(2) Forest Administration.

(3) Land Records and Agriculture.

- (4) Court of Wards and other estates administered by Government.
- (5) Horticultural and Botanical Gardens.

(6) Experimental Farms.

(7) Trade Statistics, Quarterly and Annual.

(8) Colonial and Inland Emigration.

2. The Government of India concurs with the general opinion expressed in the replies which have been received that no material alteration should be made in the preparation of the Land Revenue Administration and Forest Administration Reports, and that

these should continue, as at present, to be annually submitted.

8. Report of the Department of Land Records and Agriculture.—The annual publication in every Province of the Report of the Department of Land Records and Agriculture

in the form prescribed in Circular Resolution No. 54A., dated the 28th April 1884, is, in the opinion of His Excellency in Council, essential for the purpose of indicating the progress which may be annually made by the Department of Land Records and Agriculture in connection with the measures adopted in pursuance of the recommendation of the Famine Commissioners in each portion of the Empire. The report consists of two main divisions-Land Records and Agriculture-and is designed to show the executive work of the Department, not to comprise discussions on administrative measures or to contain any description or summary of the economic or agricultural circumstances of the season. The Local Government may, however, require information of this kind to be submitted by the Department to the Chief Revenue authorities of the Province, for utilization in preparing the Land Revenue Administration Report, and may prefer that for that purpose it should be included in the Land Record section of the Departmental Report, rather than be submitted by independent communication. There will be no objection to this course. But there seems to be no reason why statistical statements concerning crops, irrigation, tenures, &c., should find a place in the Report of the Department as well as in the Annual Land Revenue Administration Report, to which latter they should, in the opinion of His Excellency in Council, be confined. The Agricultural section of the Departmental Report should be restricted to an account of the executive operations of the departmental officers, and to a brief description of, or reference to, any results of special interest which may have been obtained during the preceding twelve months, whether in farms, gardens, Government estates, or otherwise, but should avoid lengthy discussions on agricultural subjects, and need not contain any detailed examination of the working of gardens, farms, or other agricultural institutions, which should be dealt with in the Department by orders on the annual reports. In accordance with the above remarks, His Excellency in Council is of opinion that no other review of the Annual Report of the Director of the Department of Land Records and Agriculture than that which may be included in the review by the Local Government of the Land Revenue Administration Report is necessary; and that it will suffice if a copy of the Report, together with any orders which may be passed thereon, is submitted for the information of the Government of India.

- 4. Report on Court of Wards and other estates administered by Government.—Much importance is attached by Her Majesty's Secretary of State, as well as by His Excellency in Council, to the manner in which estates under Government management are administered, and to the use made of the opportunities afforded by them for ascertaining the economic condition of the agricultural population. Reports on such estates should, in the opinion of the Government of India, continue to be annually prepared. These, and not the reports of the Department of Land Records and Agriculture, should contain an account of any agricultural improvements that may have been introduced.
- 5. Annual Reports on Horticultural and Botanical Gardens These may, as already indicated, be dealt with departmentally, and need not, in the opinion of the Government of India, be reviewed at length by any higher authority than the Director of the Department of Land Records and Agriculture, or other controlling officer, but should be forwarded to the Government of India for information, with a copy of any orders that may have been passed on them by the Local Government. A representation recently received through the Secretary of State from the authorities at Kew, as to the utility of such reports, indicates the advisability of their maintenance as a record of useful or interesting facts and experiments
- 6. Reports on Experimental Farms are divided into two sections—Statistical and Administrative. The former are issued yearly or half-yearly, and should, under existing orders, be distributed by Departments of Land Records and Agriculture direct to the Government of India, other provinces, and agricultural institutions. They should continue to be prepared, but require no review or orders by the Local Government. The complete reports, including the Administrative section, will be dealt with in the same manner as reports on gardens.
- 7. Internal Trade Statistics.—The quarterly and annual returns are, under existing orders, distributed and briefly reviewed by the Department of Land Records and Agriculture, or by such other authority as may be responsible for them. In future the annual report on Internal trade may, in the opinion of His Excellency in Council, be dealt with in the same manner as reports on Sea-borne trade; and no further review will be required from Local Governments and Administrations.
- 8. Reports on Colonial and Inland Emigration should be retained in their present form.

Ordered that a copy of this Resolution be forwarded to the Local Madras.

Madras.

Bombas.
Bengal.
North-Western Provides and Oudh.

Punjab.
Covernments and Administrations noted in the margin, for information and guidance; and to the Home Department for information.

Ordered also that it be published in the Supplement to the Gazette of India.

[True Extract.]

RESOLUTION ON THE ADMINISTRATION REPORT OF THE CALCUTTA MUNICIPAL CORPORATION FOR THE YEAR 1886-87.

MUNICIPAL DEPARTMENT-MUNICIPAL.

Calcutta, the 19th January 1888.

RESOLUTION.

READ-

The Administration Report of the Calcutta Municipal Corporation for the year 1886-87. Read again—

The Report for 1885-86, and the Resolution recorded upon it.

The Report which has been submitted shows that the Commissioners have during the year taken great interest in the duties entrusted to them. In paragraph 4 is given a table showing the attendance of the Commissioners at the different meetings held. The average attendance at meetings of those invited to attend was 48.6 per cent. as against 50.5 per cent. last year. At General and Town Council meetings there was a slight improvement (59.3 and 49 per cent. as against 58.8 and 48 per cent. last year), while there was a slight decrease in the attendance at Committees and Sub-Committees (366 per cent. as against 41.1 per cent). It is no doubt at these last that the hardest work is done; but to ascertain the real and great improvement which has taken place it is necessary only to compare the report criticised by Sir Ashley Eden in 1880 with that now placed before Government. This, in Sir Steuart Bayley's opinion, promises well for the manner in which the heavier duties connected with the larger area of the Suburbs and the Town will be performed.

2. The revenue receipts and expenditure are shown under three heads— General Fund, Water-rate, and Lighting-rate. The total income was Rs. 30,01,636 and the expenditure was Rs. 29,96,189. In paragraph 72 it is stated that the administration of the License Department, the receipts of which go to the General Fund, has been far from satisfactory during the year. The Lieutenant-Governor desires to be informed what action the Commissioners have taken on the points indicated in that and the next succeeding paragraph. From the General Fund a sum of Rs. 1,36,779 was expended on the "cleansing and structural improvement of bustees." Under the head Lighting-rate there was an excess of expenditure over receipts of nearly Its. 30,000. Rather more than half of this was due to the illumination for the Jubilee of Her Majesty. But if this item be excluded, it still appears doubtful whether the normal expenditure will not prove to be in excess of the income. This fund closed the year with a deficit of Rs. 6,880. The Police-rate Fund and other special funds do not call for any remark.

3. Sanction was accorded to raising a loan of Rs. 26,25,000. Of this, however, Rs. 8,75,000 was for the purpose of repaying the 6 per cent. loan of 1866, and the net liability of the Corporation was increased by only about thirteen lakhs during the year. At the close of the year this liability amounted to Rs. 1,69,12,035. The capital expenditure, exclusive of sums spent on brokerage, discount, and repayment of loans, amounted to Rs. 10,76,787, and was distributed as follows:-

| | | • | | 3 | Rs. |
|--------------------|-------------|-----|-------|-----|-----------|
| Drainage | ••• | ••• | | ••• | 1,58,343 |
| Water supply | ••• | ••• | *** | | 7,58,141 |
| Town and bustee in | nprovement | *** | | *** | 1,53,974 |
| Jora Bagan bustee | improvement | ••• | | ••• | 6,329 |
| | ř | 2. | Total | *** | 10,76,787 |

The heads of expenditure noticed in the last paragraph indicate the chief directions of activity during the year, and considerable progress has been made. The special drainage works undertaken during the year were the drainage of Hastings, the drainage of the Baug Bazar area, and the sewering of a portion of the Mahratta Ditch. Sixteen tanks were filled up during the year and twenty-two were being filled up; while at the same time twenty-eight more bathing-platforms were brought into use. On the cleansing and structural improvement of bustees, the total expenditure amounted to Rs. 2,17,554. Of 39 bustees taken in hand by the Commissioners, 16 have now been thoroughly dealt with. Before the close of the year the improvements in four others were approaching completion, and those in five others had been commenced. The expenditure incurred on this account is shown in a new abstract account which has been opened of the receipts and disbursements of the Town and Bustee Improvement Capital Account, and to this account have been transferred the sums set apart in the General Fund account for expenditure on Town and Bustee Improvement. The results are creditable, and the Lieutenant-Governor trusts that the Commissioners will continue to direct their attention to this very important subject.

5. A very interesting case was brought to notice by the Health Officer in his report for the quarter ending 31st March 1857, in which there was reason to believe that the occurrence of an outbreak of cholera on board a vessel in the port was connected with the circumstance that the milk supplied to some of the crew was adulterated by the vendor with water from a polluted tank situated in Howrah. It was found that immediately before the outbreak in the vessel there was a case of cholera in a house on the bank of the tank, and that this was followed by several others. The attention of the

Commissioners of the Howrah Municipality will be drawn to the case.

As an appendix to the Report is printed the Report of the Health Officer of the Corporation, which is not inferior in interest to any which has yet been submitted. He has continued the enquiry into the causes which facilitate the spread of cholera with energy; and, apart from its scientific interest, this enquiry, which discloses a very bad state of things in the bustees and most thickly populated portions of the town, indicates with sufficient definiteness the directions in which action is urgently required. The care and minuteness with which the enquiry has been conducted are sufficiently shown by the maps and diagrams which accompany the Report. The conclusions to which the Health Officer has come are that there has been a recent increase in the mortality from cholera, and that, coincident with this increase, and most marked where the increase has been greatest, there have been a growing scarcity of water, extension of draininge unaccompanied with sufficient flushing and cleansing, and insufficient conservancy and nuisance removal. The Commissioners do not wholly endorse the conclusions of their Health Officer. They contest the statement that there has been a growing scarcity of water, and they point out that the mortality from cholera fell before the introduction of the wa'er-supply, and that the death-rate is greatest simply where the population is densest; while they refer to the researches of Dr. Simpson's predecessors as showing that the mortality in Calcuttarises and falls with that in the neighbouring districts, and that the explanation of the recrudescence of cholera noticed by Dr. Simpson must be sought for in wider and more general causes than those indicated

of his Report on Cholera. It is that the return to a higher death-rate in Calcutta compared with previous years means that the sanitary work has not kept pace with the requirements of the town. The proof of the deterioration, as distinguished from the specific causes assigned for it, which have been mentioned in the preceding paragraph, is given in paragraph 32 of that Report. In the table given in that paragraph, a comparison is made of the absolute numbers of deaths in Calcutta, in Howrah, and in the Suburbs. Two periods of four years each are selected for comparison, the numbers of deaths in the three places are compared, and the results are reduced to the form of a ratio. It is shown that in the second of those periods, as compared with the first, the ratios which the numbers of deaths in Howrah and in the Suburbs bear to the numbers of deaths in Calcutta have diminished. It is inferred from this that either the sanitation of the two former places has improved, or that of Calcutta has grown worse; it is argued that there has been no improvement in Howrah or in the Suburbs; and the final conclusion is thus reached. In the second of the two periods

selected there was no increase in the aggregate numbers of deaths in Howrah and the Suburbs; so that the comparison made does afford some grounds' for the first conclusion arrived at, that either these places have improved or Calcutta has grown worse. But the method of comparison adopted is likely to mislead. The population of Calcutta is greater than that of the Suburbs, while the absolute number of deaths from cholera in Calcutta is less It is obvious therefore that an identical increase in the rate of mortality will make the absolute number of deaths more nearly equal, and this error is intensified when the results are shown in the form of ratios. Thus, if the deaths in Calcutt and in the Suburbs increased by precisely the same number, the ratio, which is the basis of the comparison, would approach more nearly to equality, whereas really the rate of increase in Calcutta would have been much less because it has a larger population. A similar objection applies to the comparison with Howrah.

- 8. A more suitable basis for comparison is the mean death-rates in the different areas in consecutive periods. A comparison of the quinquennial mean death-rates of the years 1875 to 1880, with those of the years 1881 to 1885, shows that the mean death-rate of Calcutta increased from 3.1 to 4.5, that of Howiah from 4.6 to 61, and that of the Suburbs from 7.4 to 8.4. The increase was therefore less in Calcutta than in Howiah, and greater in Calcutta than in the Suburbs. It is important to observe also that this increase in the mean death-rate is not peculiar to the places mentioned. but is shown by the second diagram facing page 10 of the Health Officer's report for 1885 to have taken place also in the neighbouring districts. These facts appear to the Lieutenant-Governor to justify the opinion of the late Health Officer of Calcutta, in which the Commissioners concurred, that the increase is to be attributed to wider and more general causes, than local insanitation.
- 9. At page 11 of the Health Officer's Report on Cholera a diagram is given showing the rates of mortality in Calcutta, Howrah and the Suburbs, and, in support of his argument that Calcutta has retrograded, the Health Officer points out that the rise both in the Suburbs and in Howrah during the last quinquennium is not greater than the height reached in them in some of the years of the previous decade, while the rise in Calcutta attained a greater height than it had attained in the previous ten years. It appears to the Lieutenant-Governor that the facts scarcely support this conclusion. An inspection of the diagram shows that the death-rates exhibit great differences, that of Calcutta remaining the lowest and increasing the least other words, the superior sanitary condition of Calcutta keeps the disease more under control.
- 10. While, however, the Lieutenant-Governor agrees with the Commissioners that the arguments adduced by the Health Officer are not sufficient to establish the fact of positive retrogression in the sanitary state of Calcutta, they are certainly sufficiently serious to demand the most careful and vigitant action of the Commissioners to remedy the defects complimed of The question is not whether the increase of cholera in Calcutt 1 15 due to deterior 1tion of sanitary efficiency compared with that of past years, but whether the defects pointed out do or do not exist, and what measures the Commissioners are prepared to take to remedy them. The Health Officer cloudy shows that where the insanitary conditions indicated by him are most marked, there also the increase of mortality is most noticeable; and though his computative inferences may be combated, his statement of existing facts is scarcely suffi-ciently met by the remarks in the Commissioners' Report The Commissioners point to the report of their Engineer as showing that the supply of filtered water is greater than it has ever been before, and contend that filtered water is now within the reach of all. The Health Officer, in paragraph 19, page 6, of his report on the distribution of cholera during the past ten years' admitted the increase, but he showed how, notwith tanding this, it would be erroneous to infer that more water was everywhere and for all classes available. Yet this is the inference on which the Commissioners rely. The specific statements which Dr. Simpson makes are the results of his own personal observations, and they do not bear out the Commissioners' conclusions. The scarcity may be due to preventible waste, or it may be due to causes at present unknown; but the Lieutenant-Governor considers

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that the matter is one which calls for thorough investigation, and he hopes that the Commissioners will cause such an investigation to be The second point to which the Health Officer draws attention is the insufficient provision for cleansing drains in narrow streets. As regards this the Commissioners refer to the increased supply of unfiltered water; but this reply is open to the same objection—that it misses the special point in issue. It is not a necessary inference from this fact that the particular drains referred to by the Health Officer are properly cleansed; while, on the other hand, it should be remembered that in this case also the conclusions of the Health Officer are based on actual inspections made by him. With reference to the third cause assigned by the Health Officer-insufficient conservancy and nuisance removal—the Commissioners give figures showing the increase in the amount of subbish removed from the Town. In paragraph 153 of the Report, however, the increase in the year 1886-87 is attributed partly to the fact that only a few tanks are now available for filling with rubbish; and as the number of cart-loads disposed of in this manner in each year is not given, it is impossible to say what weight ought to be attached to these figures. The Lieutenant-Governor trusts that these questions will receive the early and earnest attention of the Commissioners.

11. The Lieutenant-Governor desires to thank the Commissioners for their services and the interest shown by them in the affairs of the Municipality during the year. The Hon'ble Sir Henry Harrison was Chairman of the Corporation, Baboo Gopal Lal Mitter, Vice-Chairman, and Mr. Robert Turnbull, Secretary, throughout the year The Commissioners close their report with a well merited encomium of the excellent service rendered to the Corporation by their Secretary, Mr. Robert Turnbull. Mr. Turnbull is about to retire upon a special pension which the Commissioners have granted him in recognition of the attention, courtesy and assiduous devotion to duty displayed by him during many years. The Lieutenant-Governor has much pleasure in endorsing the judgment of the Commissioners, and in testifying to the high esteem in which Mr. Turnbull has been held both by the Government and by the public.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 21st January 1888

| No | | District and retur | | - 1 | Rainfall at Sudder Station in inches | Character of the weather and state and prospects of the crops |
|------------------|-----|--------------------|------------|-------------|---|---|
| BEN | GAL | | | | | |
| | 1 | Western 1 | Districts | | | |
| 1 | 1 | Burdwan, | Jan 21, | ' 68 | Nıl | Weather-seasonable, and cooler than last week Prospects frubbe crops fair |
| ای | 2 | Bankoora | ,, 21, | '88 | Nil | Prices stationary Weather—seasonable Rubli or ps thirting Su means is being out and |
| BURDWAN DIVE. | 3 | Beer bhoom | ,, 21, | '88 | Nil | pressed a 12 anna outturn expected. For intinuistation by Weather—sensonable sometimes cloudy during latter partial of the week. The shing of puddy centions—sugarcine is being out to els look healthy. Prices statement |
| MA | 4 | Midnapur | ,, 21, | '88 | Nıl | Weather - cool Rubbs and boro promise well |
| BUB | 6 | Hooghly | ,, 21, | '88 | Nil | Weather -co I and bright Prospects of crops continue good Rice selling at |
| / | | Howrab | " 21, | 88 | Nil | fr m 144 to 16 sect per rupe Weather -clear and cold Harvesting of amun and sugar and continues |
| | | Central 1 | Distruts | | | |
| Ėſ | 6 | 24 Perghs | Jan 21, | '88 | Nil | Weather-seasonable, cool and cloudy at times. Hervesting of amoun nearly |
| ā | 7 | Nuddea | ,, 21, | '88 | Nıl | over outturn satisfictory Sugarcine is still being cut Westher—seasonable on the whole Sugarcine and rubbs doing well Runes |
| PRESIDENCE DIVE | 8 | Khoolus | ,, 21, | '88 | Nil | much wanted Weather-seasonable Harvesting of amun still continues Winter crops |
| | 9 | Lesore | ,, 21, | '88 | N ₁ l & | doing well Weather—seasonable Harvesting of amen nearly completed Prospects of |
| E [| 10 | Moorshedabad | ,, 21, | 88 | Nıl | winter crops not very good for wint of rim Westher-seasonable Harvesting of aman continues, outurn good Rubb |
| 8 | | • | | | | crops promising well |
| 1 | 11 | Dinagepur | Jan 21, | '88 | Nil | Weather seasonable Harvesting of winter rec still continues Prospects |
| 1 | 12 | Kajshabye | " 21, | '88 | Nil | of standing crops gold. Rice 21 seers for up a Weather—seasonable. Cold weather crops doing fully well. Sugarcane is |
| T DIAM | 13 | Rungpur | ,, 21, | '88 | N 1 | Weather—dry Amun is still being hirvested Cathering of mustard his commenced. Led is being prepared for aus. Pr spects of tol account pulses good |
| AHA! | 14 | Bogra | ,, 21 | '88 | Nil | Weather - seasonable Cold weather crops primes well. Harvesting f amus nearly over |
| Каленанти D | 15 | Pubna | , 21, | 188 | Nil | Weither- fine and colder Prospects of crop to d |
| ~ | 16 | Darjeeling | " 21, | 88 | Nil | Weather-c'oudy State and prospects of crops good Run wanted |
| ! | 17 | Julpigor. | " 21, | 88 | Nil | Weather -cold, cloudy at times. Here sting of wint in a limited continuinten to twelve sinas. Rubbs crops dim, well liss scation any |
| | | Eastern | Districts. | | | |
| DACCA DIVISION | | Dacca, | Jan "1, | 81 | | Weather—cold Boro pally I mg planted Rulls r ps doing well Since winter rain would be sees table I dd is possible to insufficient in essential places |
| הומ | 19 | Furre dpur | ,, 21, | '8 | Nil | Weather—seasonable Crops dong well verywhere |
| 100 | 20 | Backergunge | " 21, | '8 | Nıl | Weather—scason bl Prospects of crops g od |
| DA | 21 | Mymansingh | ,, 20, | '8 | 8 Nil | Weather-very cold State and prospects of crops continue good |
| 1 | 22 | Chittagong | Jan 24, | '8 | 8 Nil | Weather-cold Winter crops promise well Prices steady |
| Ė | 28 | Noakholly | " 20, | '8 | N ₁] | Weather -season ble Reaping of amun nearly finished Rubbi crops doing well |
| ONG Pr | 24 | Tipperab | " 19 | , 8 | 8 Nil | Weather—dry and cold Harvest ng of amun paddy and swing of boro paddy finished Outturn of amun generally good Prapets i rubbs crops excellent A little rain scens necessary Cutting of sugarcane still in |
| CRIPTARONG DIVE. | 25 | Tracts | | | | Weather—colder than evil from about 10 PM to 10 AM Heavy morning foge continue firight and sunshiny during daytime Mustard and other cold-weather or ps doing well Pressing of sugar me has commenced. Weather—consequently cold Austard children and sugar are doing well found |
| - | l | Hill Tipperah | , 18 | 3, 1 | Nıl | Weather—season ably cold Nustaid chillies and sugar and doing well cotton gathered, a full hery at obtain 1 |

| , | So. | | and date of | Rainfa at Sudd Station inches | er Character of the weather and state and prospects in of the crops. |
|------------------|------------|----------------|-------------|--|---|
| BEI | HAR | | | | |
| ., | 26 | Patna | Jan. 21, | '88 Nil | Weather—very cold and pleasant. Threshing of pad ly approaching completion Poppy plants doing well. Prospects of rubbi crops fair; but rain wanted Prices now stationary. |
| 1 | 27 | Gya | ,. 21, | '88 Nil | Weather -cold. Harvesting of puddy nearly finished. It is being threshed |
| IV. | 28 | Shahabad | ,, 21, | '88 N.1 | Rubbi crops in tol rably good condition. Poppy progressing on. Weather - very cold and occasionally cloudy. State of rubbi crops continu |
| PATHA DIVE. | 29 | Durbhungs | ., 21, | '88 N ₁ 1 | satisfactory, but rain badly wanted. Prospects of poppy very good. Weather cloudy, very cold. Rubbi crops continue promising, but want rain Wheat, barley and rahar in ear. Poppy is doing well. Tobacco is being harvested. Prices stationary. |
| 2 | 3 0 | Mozufferpur | " 21, | '88 Nıl | Weather-cold. Prospects of rubbi and poppy fair, but rain wanted for |
| | 31 | Sarqu | ,, 21, | '88 Nil | both. Weather—cloudy for last few days, but no rain. Prospects of all crops good |
| (| 32 | Chumparun | 21, | '88 N ₁ 1 | Weather—cold and cloudy. Threshing of aghani nearly completed. Poppy flowering in places. Prospects of rabbi crops look favourable. A shower of rain would do good both to rubbi and poppy. |
| 1 | 83 | Monghyr | Jan. 21, | '88 Nıl | Weather-very cold with westerly wind generally Prospects of rubbi and |
| 1 | 34 | Bangulpur | . 21, | '88 Nil | poppy crops continue promising Weather—seasonable with strong west wind. Winter rice has been all resped. |
| 5 | 86 | Purneah | " 21, | '85 Nil | Rubbi crops promise well. Rain wanted. Weather—clear and cold Winter crops doing well. |
| BHAGULFORE DIVE. | 3 h | Maldab | ,. 21 | '88 Nil | Weather—cold and fine. Harvesting of winter rice nearly completed with good outturn. Prospects of spring crops good except in the far north-west, where insects have done some damage. Kalai and mustard are still being reaped with good outturn. Common rice selling at an average of 23! seers |
| 9 | 87 | Sonthal Pergl | 18. ,, 21, | 88 Nıl | Weather—seasonable. Prospects of winter crops continue good, though rain is wanted in the Rajmehal sub-division. Pulses are being reaped in parts of the district. |
| ORI | SSA. | · | | | |
| <u>i</u> | 36 | Cuttack | Jan 20, | '88 Nil | Weather—seasonable and fair Reaping of sarad rice nearly completed Prospect of dalus rice good. Wheat and cotton doing well Price of common rice varies from 194 to 21 see is per rupee in town. |
| Veries Dive. | 84 | Pooree | ,, 19, | 88 Nil | Weather—seasonable. Harvesting of late sarad cro, nearly flushed. Dalua crop doing well Common one 21 seers 3 chittacks per rupee in the Sudder sub-division and 25 seers 12 chittacks in the khoords sub-division. |
|) (| 40 | Balasore | ,, 20, | '88 Nil | Weather- cool and fair. Hervesting of sarad paddy nearly completed. Rubbi crops are being gathered. Sugarcane is being pressed. Prospects of datus rice and other crops good. |
| но | TA 1 | NAGPORE. | | | |
| | South | h-West Frontie | r Agency. | | |
| | 41 | Hazaribagh, | Jan 20, | res Nil | Weather - bright and cold. Prospects of rubbi crops remain unaltered. More rain wanted for these crops. Poppy is thriving and has commenced to flower; prospects fair, Sugarcane is being cut and pressed; outturn |
| 1 | 42 | Lobardogga | " 21, ' | 88 N | Weather -very cold. Late rain has done much good to rubbi crops. No change |
| | 43 | Singhhoom | 10000 | 88 N ₁ 1 | in prices Weather - bright and cold. Rubbi not doing well for want of rain. Sugarcane, |
| | 44 | Manbhoom | 30 35 | 88 N ₁ 1 | oilseeds and rahar being reaped; a 10 to 12-anna outturn expected. Weather for and cold. Prospects of cold-weather crops fair. Mustard is being reaped, outturn below the average. New goor 8 to 10 seers per |

Published for general information.

CALCUTTA, REVENUE DEPT.; The 24th January 1888. P. Nolan, Sucy. to the Govt. of Bengal. PRICES-CUBRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH JANUARY 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

| | | | I I | | JIN | 3.01 | , 20 | , 16 12 | 11 7 | (100 | 400 | עי נ | • | 00 | w-y/ w | | , - | | | | | | | |
|--------|------------------|-----|-----------------|-----|-------------------|------------------------------------|------|-----------------|------------------------|---------------------|---------|-----------------|------|------------------------|------------------------------------|----|-----------------|--|------------------------|----------------------|---------------|-----------------|------------------------|----------------------|
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| ŀ | | | W | н | A7 . | | | В | BLEY. | | Ī | Bio | 2, B | Bet | BORT. | | Ric | 28, 0 | OM | MON | | | R OR C | |
| Namber | DISTRICTS. | | Present return. | 1 | Next preceding to | Corresponding return of last year. | | Present return. | Next preceding return. | orresponding return | 100 100 | Present return. | | Next preceding return. | Corresponding return of last year. | | Present return. | u de la companya de l | Next preceding retuin. | Corresponding return | of last year. | Present return. | Next preceding return. | Corresponding return |
| | BENGAL. | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | estern Districts | | s. Ch | S | Ch i | s ci | . 18 | . Cb. | 8. Ch | 8 (1 | , 14. | מיו | 19 | Ch | 4. Ch | ۹. | СР | 18. | Ch | ١. | Ch, | 3. Ch | S Ch. | ,8 Ch. |
| | | | | | İ | | 1 | | | | | ^ | ,. | | 00 0 | | | 22 | u | 26 | 10 | | | |
| 1 | Burdwan | " | 15 0 | 15 | 12 | 14 (| | | No s | 10 | 1 | 0 | 10 | 0 | 20 8 | 31 | 0 | - | 0 | " | 10 | • | | |
| 3 | Bankoors | . | 13 0 | 18 | 4 | 16 (| 11 | 8 0 | 20 0 | 21 0 | 18 | 12 | 18 | 12 | 20 0 | 20 | 0 | 19 | 13 | 24 | 6 | | ٠ | - |
| | Peerbhoom . | | 15 0 | 15 | 12 | 20 (| 1 | | | | 16 | 8 | 16 | 8 | 19 8 | 21 | • | 21 | 0 | 25 | 8 | | | |
| 4 | Midnapore . | | 15 0 | 15 | 0 | 16 (| ! | | | | 18 | 0 | 18 | 0 | 18 0 | 29 | 0 | 22 | 0 | 2; | 0 | | | |
| | 1020 174 | | 14 0 | 14 | 0 | 15 (| | | | | 10 | 0 | 10 | 0 | 10 0 | 17 | 0 | 17 | 0 | 17 | 0 | | | |
| ٠ | | " | | | | 14 19 | | | | ١ | 13 | 1 4 | 13 | 0 | 13 0 | 18 | 0 | 18 | 0 | 17 | В | | | |
| | Howrah . | • ' | 13 8 | 114 | U | 141 | | | 3) 080 | *** | 1. | | | | 10 0 | | | | | • | | | \$20 b | • |
| C | entral Districts | | | | | | 511 | | | | 9 | | | | 20 | ı | | 7 | | , | | i | ř | |
| | Calcutta | | 13 3 | 14 | 0 | 14 1 | 0 2 | 21 7 | 20 0 | 21 | 0 | 9 15 | 8 | 10 | 9 6 | 1 | 5 7 | 16 | 4 | 17 | 0 | 1 1 13 | 15 10 | 13 6 |
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In sub-divisions retail prices of salt per rupes were:—Culna 12 seers, Cutwa 18 seers and Raneegunge 13% seers.

At Bishenpore retail price of salt 12 seers per rupes
C At Rampore Hat retail price of salt 18 seers per rupes.

In sub-divisions retail prices of salt per rupes were:—Tumlock 11 seers and Ghatal 134 seers.

In sub-divisions retail prices of salt per rupes were:—Serampore 124 seers, and Jehanabad 124 seers.

In sub-divisions retail prices of salt per rupes were:—Baraset and Dum-Dum 12 seers, Bussirhat 18 seers, Diamond Harbert (Kulpihat) 11 seers and Barrackpore 124 seers.

G In sub-divisions retail prices of salt per rupes were:—Kooshtea 134 seers, Meherpore 12 seers, and Choosdanga and Ramaghet 124 seers.

^{12;} seers.

H In sub-divisions retail prices of salt per rupec were:—Satkhira 11; seers and Bagirhat 11 seers.

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Read-quarter station Bazars of the Districts of Bengal on the 15th January 1888

| | | | | | | W H | er. | MA | UN | D |)F | 4 0 | Jane 1 | (1-2/2) | | VER | AG | E W | AGES | PEI | R M | ONTE | I. | | _ |
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| | 8. | l Lt. | | | | | | 84 | tr. | | | | | GK | CUL | TURAI RER. | | Syc | e or] Keep | | н- | CA | AMON : RPRNT LACKS! | MASON, RR, OR | |
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In sub-divisions retail prices of salt per rupes were:—Jungipore 18 seers and Bongong 12 seers and Magura 102 seers.

At Thakaryaon retail prices of salt per rupes were:—Jungipore 18 seers and Kandi 122 seers.

At Thakaryaon retail prices of salt 12 seers per rupes.

In sub-divisions retail prices of salt 12 seers per rupes.

At Scraigunge retail price of salt 12 seers per rupes.

At Scraigunge retail price of salt 12 seers per rupes.

At Scraigunge retail price of salt 12 seers per rupes.

At Fallacouts in Aligore sub-division retail price of salt 10 seers per rupes.

In sub-divisions retail prices of salt per rupes were:—Manickgunge 11 seers, Moonsheegunge 102 seers and Naraingunge 121, seers and retail prices of salt per rupes were:—Patuakhali 918 seers, Perosepore 11 seers.

In sub-divisions retail prices of salt per rupes were:—Patuakhali 918 seers, Perosepore 11 seers, James por 104 seers, Suerpore

PRICES-CUBBENT (retail) of Food-grains, Firewood and Salt in the Head quarter

| | | | | • | | | *** | | | | | AUP | NTIT | ES PE | R RUP | er in |
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| Es | stern Districts—con | icluded. | | | | | | | | | | | | | | |
| | 1 | 8, Cb | 8. C | h S Cb | 8 Oh | 8. Ch | 8. Ch. | 8, Ch | S. Ch. | 8. Ch | 8. Съ | S. Ch | 8. CI | 8. Cb. | 8. Ch | N. Ch |
| 33 | Chittagong | 11 0 | 11 | 0 16 0 | | | | 18 0 | 13 0 | 15 0 | 19 6 | 18 9 | 17 12 | | | |
| 23 | Noakholly | | | | - | 1 | | 21 0 | 20 0 | 22 0 | 22 0 | 21 8 | 25 0 | | | |
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| 26 | Pains (Wnnsur gunge & Maroof- | 17 | 0 18 | 0 20 | 28 0 | 26 8 | 34 0 | 11 8 | 11 8 | 11 8 | 21 0 | ¥0 0 | 25 8 | 28 8 | 23 8 | 26 0 |
| 27 | Knuke) | 13 | 13 | 0 16 8 | 24 0 | 24 0 | 35 0 | 10 0 | 10 0 | 10 0 | 17 8 | 18 0 | 23 8 | | | |
| 28 | Shahabad . | 18 | 3 1õ | 0 16 | 21 1 | 20 0 | 30 0 | 9 8 | 9 0 | 10 0 | 17 8 | 16 0 | 19 0 | Jeni 20 0 | ara. | |
| 99 | Durbhanga | 16 | 17 | 8 19 15 | 35 0 | 27 0 | 33 0 | 14 4 | 14 12 | 14 8 | 20 12 | 20 4 | 21 0 | | | 28 • |
| 80 | Mosniferpore . | 15 | 15 | 0 20 0 | 29 0 | 29 0 | 32 0 | 13 0 | 12 0 | 12 0 | 20 0 | 20 0 | 23 0 | | | |
| 8 1 | Barup | 14 | 15 | 2 15 0 | 25 0 | 29 4 | 32 0 | 8 8 | 8 12 | 8 8 | 19 8 | 21 8 | 22 0 | | | 3) 0 |
| 82 | Chumparun | 14 | 16 | 0 21 0 | 31 0 | 31 0 | 40 0 | 18 0 | 18 0 | 15 0 | 20 0 | 21 0 | 20 0 | | | |
| 3 8 | Mongayr | 16 1 | 15 | 19 17 14 | 25 3 | 27 8 | 42 0 | 13 15 | 13 5 | 15 0 | 18 6 | 17 4 | 22 0 | | <u></u> | _ |
| 84 | Shagulpore | 15 | 15 | 2 16 6 | 25 4 | 27 19 | 37 14 | 12 10 | 12 10 | 18 16 | 16 8 | 17 10 | 22 11 | | | - |
| 86 | Pornesh . | 18 0 | 18 | 0 18 0 | 32 n | 10 0 | | 19 0 | 91 0 | 21 0 | 22 0 | 28 0 | 22 0 | | | - |
| 86 | Maldah | 18 8 | 19 | 8 15 0 | | | | 16 0 | 14 0 | 16 0 | 22 0 | 22 8 | 29 0 | | | - |
| 87 | Southal Peraha. | 11 0 | 18 | 0 18 8 | - | | | 18 0 | 14 0 | 28 0 | 20 0 | 21 0 | 31 0 | | | • |
| 88 | ORISSA. | 17 1 | 17 | 1 11 18 | ۱. | ۱ | ١ | 10 8 | 10 8 | 18 2 | 21 0 | 18 6 | 21 0 | ١. | | 1 _ |
| 39 | Poores . | 16 7 | 14 | 7 13 2 | | | | 11 18 | 11 18 | 18 2 | 22 5 | 21 0 | 28 10 | | | |
| 40 | Balasore | 15 0 | 15 | 16 0 | 18 0 | 18 ช | 18 0 | 18 o | 13 0 | 13 0 | 28 0 | 21 8 | 36 0 | | | - |
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| 41 | Hazarezbagh | 11 0 | 12 1 | 8 18 0 | 22 0 | 20 U | 20 0 | 10 0 | 10 0 | 13 0 | 16 4 | 17 0 | 20 0 | Not | prosure | .jle. |
| 42 | Lohardugga | 12 0 | 13 | 24 0 | 20 0 | 20 0 | 18 0 | 16 0 | 15 0 | 21 U | 19 0 | 21 0 | 27 0 | | · · · | • |
| 48 | Sing shoom | 16 0 | 16 | 24 0 | 94 0 | 20 0 | 24 0 | 16 •0 | 20 0 | 9 8 0 | 22 0 | 28 0 | 89 0 | | | - |
| 1 | Manbhoom | 13 0 | 18 | 8 18 0 | 84 0 | 32 0 | 89 0 | 20 0 | 15 0 | 18 0 | 93 O | 23 0 | 29 0 | | 22 0 | |

Published for general information.

S At Cox's Bazar retail price of salt 11 seers per rupes.

T At tanchgachia in Feuny sub-division retail price of salt 10 seers per rupes.

U in sub-divisions retail prices of salt per rupes were:—Bhabuah 11 seers, Buxar 12; seers and Sasseram 13; seers.

V At Madhubani retail price of salt 11 seers per rupes.

X At Bethah retail price of salt 11 seers per rupes.

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| H | EERA | CIP. | 80 | TU | AL | m. |

| Bajra (Penni | on Ci setum doum.) | typho- | MARI (Eleusi | TA OR I | lagi. coana.) | ITAT. | NI OR K | LLET. | CB | HOH | M, Bu | Kai Nac | AL. | AT |
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| 8. Ch. | Կ, Ch. | 9. Ch. | S. Ch. | 8. Cb. | 4. Ch | S. Ch. | S. Ch. | 4. Ch | s. c | Сь. | s. | Сb. | s | C I |
| | | | | | ••• | | | ••• | 14 | o | 11 | o | 16 | 0 |
| | | | | | | | | ••• | 13 | 0 | 13 | 0 | 16 | 0 |
| | ٠ | | | | | | | | 16 | υ | 16 | 0 | 18 | 8 |
| | | | | | | | | | 12 | | 12 | o | 12 | o |
| 26 0 | | 26 0 | 26 0 | 27 8 | 26 O | 30 O | 27 8 | 20 0 | 21 | 0 | 21 | 8 | 32 | o |
| | | | | | *** | 17 0 | 19 0 | 2(1 | 22 | 0 | 21 | 0 | 27 | o |
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| | | | 33 O | 33 0 | 30 12 | | | | 10 1 | 12 | 24 | 3 | 27 | 8 |
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| | Ĭ. | | 1 | l | l | Î | 1 | 1 | 19 | 11 | (Ka | lai) | 15 | 12 |
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| Not | procui | nble. | | 24 0 | | | t procui | rable. | 18 | | 80 | | 22 | |
| ". | ••• | - | 34 0 | 84 0 | 48 0 | | | " | 17 | | 30 | | 19 | |
| | | - | | | - | | | - | 16 | 0 | 15 | 0 | 16 | |
| ••• | <u> </u> | " | +++ | 80 0 | | | ••• | <u> </u> | 16 | 0 | 16 | 0 | 18 | 0 |

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*AVERAGE WAGES PER MONTH. *

Station Bazars of the Districts of Bengal on the 15th Janua y 1888 -(concluded.)

WHOLESALK PRICES PER MAUND OF 40 SEERS.

| SALT. | SART. | ABLE-BODIED AGRICULTURAL LABOURER. | SYCE OR HORSE- KERPER. | COMMON MASON, CARPENTER, OR BLACKSMITH. | i. |
|---|---|---|---|---|--|
| Present return. Next preceding return, Corresponding return of last year. | Present return. Next preceding return. Corresponding return | Present return. Next preceding return. Corresponding return of iast year. | Next preceding return. Corresponding return | Neat preceding return. | DISTRICTS. |
| | 1 - 1 - 2 | 1 | | | iots—c melindes. |
| 8. Ch. S. Ch. S. Ch | Rs. 4. P. Rs. A. P. Rs. A. P. | Rs. 4. Rs. A. Rs. A. | Rs. A. Rs. A Rs. A. | | |
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| x | | (7 8 7 8 8 9 | 7 0 8 0 8 0 | 10 0 10 0 10 0 | Sarus. |
| 11 0 11 0 12 0 | 3 5 0 3 4 0 3 3 0 | | (30 30) | 7 8 7 8 7 8 | Chumparaa. |
| 12 9 12 9 12 1 | 214 6 214 6 3 4 0 | 5 10 to 3 12 | 14010 | (8 0 12 0 7 8) | Monghyr. |
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| 10 10 10 0 10 10 | 8 7 0 8 8 0 8 8 0 | 4 0 0 4 3 6 4 11 | 4 0 4 0 4 0 | 11 0 to to | Manbhoom. |
| W At Dameses | retail Drine of salt 11 seers Do | or rupea | | :5 | - Senings |

At Beguserai retail price of salt 11 seers por rupee.

Z At Banka and Mudehpoora retail price of salt 11 seers per rupee.

Z1 In sub-divisions retail prices of salt per rupee were: - Kish-ngunge 10 seers and Arrarcah (at Ban-egunge) 11½ seers.

Z3 In sub-divisions retail prices of salt per rupee were: - Deoghur 12½ seers, tajmehal and Pakour 12 seers, and ciodda 11 seers.

Z3 At Bhaddrack retail price of salt 11½ seers per rupee.

Z4 At Christ retail price of salt 11½ seers per rupee.

Z5 At Dalfongunge in Palamow sub-division retail price of salt 11½ seers per rupee.

PRICES-CURKENT (wholesale) of Food-grains. Firewood, and Salt m the

| - [| | | | | W I | 184 | 7. | | | | | | | BV | RL | 7 | | | | | | | Kio | A. B | HST | 801 | .11 | | | | | K | IOB, | CON | MO | X. | | |
|-----|--------------------------|---|-----------------|---|-----|------------------------|-----|---|----------------------|--------------|---|-----------------|---|----|------------------------|---|---|---------------------|---------------|----|---|-----------------|-----|------|-----------------------|-----|----------------------|--------------|---|---|-----------------|---|------|-----------------------|----|----|----------------------|---------------|
| | MAKTY | | Present return. | | | Next preceding return. | | | Corresponding reture | of last year | - | Present return. | | | Next preceding rathril | Trees Anima de la contraction | | Commendance returns | of last year. | | | Present return. | | _ | Nest preceding return | | Company dans softwar | of last year | | | Present return. | | | Next preceding return | | | Corresponding return | of last year. |
| 1 | | R | ٨ | P | к | 4 | P | H | • | P | R | • | P | | R | ٨ | P | ĸ | 4 | P. | R | ٨. | P | R | • | P | ĸ | • | P | ĸ | ٨ | P | ĸ | • | P | k | | • |
| 1. | aloutta | 2 | 12 | 6 | 2 | 11 | 9 | 3 | 11 | 9 | 1 | 8 | 4 | | 1 1 | 2 | 0 | 1 | Б | 0 | 8 | 10 | 4 | 3 | 19 | 0 | 8 | 8 | o | 2 | 2 | 5 | 2 | 0 | 9 | 1 | 15 | i |
| 8 | ernigunge . | 3 | 4 | 0 | 2 | 4 | 0 | | | | | | | | | •0 | | | ••• | | 3 | в | 0 | 3 | 8 | 0 | 3 | 11 | 0 | 1 | 14 | 0 | 1 | 14 | 0 | 2 | 0 |) |
| 1 | acca | 2 | в | n | 9 | 6 | o | 2 | 6 | 0 | 1 | 8 | o | | 1 | 8 | 0 | 1 | 8 | 0 | 2 | 3 | 0 | 2 | 6 | 0 | 2 | 7 | 0 | 1 | 14 | 0 | 1 | 15 | 0 | 9 | а | , |
| N | iathing age | | | | | ٠ | | | | | | .• | | | | | 1 | | | | 1 | 12 | 0 | 1 | 14 | 0 | 2 | 6 | U | 1 | 8 | 0 | 1 | 12 | 0 | 3 | 9 | 1 |
| 10 | hittagong . | 3 | 6 | 0 | 3 | в | 0 | 8 | в | o | | • | | | | ě | | | | | 2 | 10 | 0 | 3 | 0 | 0 | 3 | 10 | 0 | 2 | 0 | 0 | 2 | 8 | 0 | 2 | 9 | 1 |
| 8 | atns (Mun urgunge and | 2 | ō | 6 | 2 | 2 | 0 | 1 | 13 | 0 | 1 | 6 | в | ١, | 1 (| 6 | 6 | 1 | 2 | 6 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 13 | 0 | 1 | 14 | 0 | 1 | . 8 | 3 |
| B | alusore | 2 | 10 | u | 2 | 10 | U | 2 | 4 | 0 | 3 | 0 | U | , | в (| Ú | U | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 8 | 0 | 0 | 1 | 10 | 0 | 1 | 12 | 0 | 1 | 8 | 3 |
| ١. | 00ree | | | | | | - 0 | 1 | | 1 | | | | | | | 1 | | | | | | | | | - 8 | | | - | | 11 | | | 14 | | ١. | . 8 | |

CALCUTIA,

The 24th January 1888

PRICES PER MAUND

| JOWAR (Sorgn | OR CH | olum. gare.) | | OR Cuisetum (doum.) | |
|-----------------|------------------------|---------------------------------------|-----------------|------------------------|------------------------------------|
| Present retura, | Nest preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year, |
| R.A.F. | R.A.P | R. A.P. | H. A.P | R. A.P. | R A.P |
| 1 6 11 | 2 4 0 | 2 10 0 | 3 3 5 | 3 8 0 | 2 5 6 |
| | | | | - | |
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| 1 80 | 1 10 0 | 1 60 | 1 60 | ••• | 1 60 |
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| | | TTAL | IAN MI | LLET. |
|------------------------|------------------------------------|------------------------|---|---|
| Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| R. A.P. | R. A.P. | 1t. A. P. | R. A.P. | K A.P. |
| 2 4 0 | | 2 13 (| 8 00 | 2 6 0 |
| | ••• | ••• | | |
| *** | | ••• | | |
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| 1 5 6 | 1 60 | 1 4 0 | 1 56 | 1 14 0 |
| ••• | | | | |
| | | | | » |
| | | | | , |
| | Next preceding return. | Next preceding return. | Next preceding retarn. (Set See Corocaua.) Corresponding return of last year. Precent return. | Next preceding retarn. Corresponding retarn. Of last year. Of last year. Nart preceding return. Nart preceding return. |

ndermentioned Marts of Bengal on the 15th January 1888.

| RA Ka | DA | LA | T | 0 | R | SI | JK | BO AG | 4. | | 1 | y 1 | DIA | | | | Mag | | | 121 | | | 500 | RII I ('A | DJ | AN | PR | A. | | | | .00.20 | 1 | IR | Enc | non | | | 1 | | | | 4 | A L | • | | | | |
|-------------------------|----------------|----|---|----|-----------------------|-------|----|-------------------------|--------------|---|---|------------|-----------------|---|---|-----|-----------------------|----------|---|--------------|---|---|-----------------|--------------|----|------------------------|----|-----|----------------------|---------------|---|-----------------|-----|-----|-----------------------|-----|---|---------------------|---|---|----------------|----|---|-----------------------|-----|---|--------------|-----|------------------------|
| Description of the same | resent return. | | | | Next preceding return | | | Concession ding sature. | of last year | | | | Present returu. | | | | Mexi preceding return | | | of het year. | | | Present return. | | | Next preceding return. | | | Corresponding return | or dear year. | | Present return. | | | Next preceding return | | | Caresponding return | | | Present return | | | vert preceding return | | | of last veer | | MARTS. |
| R. | ٨. | 2. | F | R. | 1 | . 1 | | ١., | ٨. | 7 | - | R | ٨. | , | 1 | ĸ. | ۸. | , | R | | 7 | ĸ | 1 | . P. | I | | P | 1 | ٠. | . P | 1 | 4 | 7 | R | 4 | P | R | 4. | P | R | Á | r. | R | ٨ | P | R | Ä | P | |
| 1 | 8 | 6 | 1 | 1 | 14 | | 6 | 1 | 11 | 8 | 3 | 1 | 6 | (| 9 | 1 1 | 0 | 0 | 1 | 4 | 0 | 2 | 3 | 4 | 2 | 4 | | 1 | 18 | • | | 6 | ٤ | 0 | 6 | 9 | 0 | 7 | 0 | 2 | 14 | 6 | 2 | 12 | 0 | 3 | 0 | 0 | Caloutta, |
| 3 | 0 | 0 | 2 | 2 | 12 | 10000 | 0 | 1 | 14 | • | | | - | | | | - | | | | | | - | | | | | | ú | • | | | | 0 | 6 | 6 | | | | 8 | 2 | 0 | 3 | 1 | 0 | 3 | 6 | 8 | Serajgunge. |
| 2 | 3 | 0 | 5 | 9 | 0 | 11000 | 0 | 9 | 3 | (| 0 | | | | | į | - | 20000000 | | • | | 2 | 0 | U | 9 | 0 | | , | | | 0 |) 5 | (| 0 | 6 | 0 | 0 | 6 | 0 | 3 | 3 | 0 | 3 | 8 | 0 | 3 | 8 | 0 | Daoca. |
| | 9 | 0 | 5 | 2 | 2 | | 0 | 2 | 0 | (| 0 | | - | | - | , | - | | | • | | 2 | 4 | 0 | 2 | 4 | | | | | 1 | 8 | . (| 0 | 8 | 0 | 0 | 6 | 0 | 3 | U | 0 | 3 | 2 | 0 | 3 | 2 | U | Narainguni |
| • | 8 | 0 | 1 | 2 | 10 | | 0 | 2 | 6 | (| 0 | | • | | | | | | | | | 3 | 10 | U | 3 | 10 | | , 3 | 1 |) (|) | 5 | . 1 | 0 | Б | 3 | 0 | 8 | 0 | 3 | 4 | 0 | 3 | • | . (| 3 | 2 | 0 | Chittagong |
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| 1 | ٠ | 0 | 1 | 2 | 4 | | U | 9 | 8 | (| 0 | | | | | | | | | | | 8 | 2 | 0 | 8 | 2 | | 2 | 1 |) (| 0 | • | (| 0 | 4 | 6 | 0 | 6 | 0 | 3 | 6 | U | 8 | E | . 0 | 3 | 8 | 1 (| Haroopyung Baumore. |
| | | | | | | | | | | | - | | | | | | • | | | | | | | | | | | | | e. | | | | | | | | | | 2 | 13 | 0 | 2 | 12 | 1 0 | 2 | 10 |) (| Poores. |
| | ٥ | 0 | | (k | | | | 2 | 6 | | 0 | | | | | | | | | | | | 2 | 0 | 2 | 5 | | | | | 1 | 9 | | 0 0 | 8 | 0 | 0 | 8 | 0 | 2 | 12 | 0 | 2 | 12 | : 0 | 9 | 12 | . (| Cuttack. |

Published for general information.

P. Nolan, Secy to the Govt of Bengal.

Meteorological Report of the Province of Ben

| | | i | | | | | | | STATION (| DESERV | ATIONS. | | | | |
|---|-----------|-----------------------------|------------------|-----------------|----------------|-----------------------|----------------|---|-----------------------|------------------------|--|-----------------------------|---|---|---|
| | | | At | R PRESS | BURE. | W | IND. | | | en reserving age of | Темгк | RATURE. | | | 1 100.00 |
| DISTRIC | OT. | Representative station. | Mean Parconstric | Mean reduced to | Vatur i.a frem | Prevailing directions | Men wind velo- | Henest during | Parté. | Lowest during week. | Date. | Men maximum temperature. | Mean menimum temperature of week. | Mean daily tem- perglure of week. | Variation from normal mean of week. |
| Pooree | | Gopalpore | 30'01a | 50'090 | 020 | NNW | 1 | 81.5 | 20th Jan. | 59% | 14th Jan. | 7779 | 61.6 | 69.8 | 0. |
| Toolee | (| False Point | . 30081 | nerton | 012 | NNW | 111 | 7911 | 18th & (20) | 51: | 11. 15 5 | 781 | 55-9-1 | 67:6 | |
| Cuttac | | Cuttnek | . Do 1930 | 36/021 | 1 -4 :017 | Calm | 11 | 5374 | Jan, | 5479 | 1 lith Jan. | NS 8 | 57:4 | 70.6 | -10 |
| Balmore | | Balasere | . serees | 30:086 | | NW | 6211 | 851 | 16th | 19.4 | 15th & 1611 | 815 | 53'2 | 66.8 | -9:1 |
| South-Wes Mid | natiore) | Sauger Island | 1 agrass | 30'112 | -1000 | NNW. | 1-5 | B. 7.1.1 | | | Jan. | l | | | -51 |
| South 4-Pergu | malıs) | The Mark Tolkery | | | - 140 | 1 | 1 | 7775 | 19th , | 52'8 | tah | 75'1 | 57'5 | 66.3 | -11 |
| Midnapor | | Midaapore | - j 29965 | 30°129 | +1015 | N | 45.5 | 8313 | 171 b | 4972 | 13th & 15th | | 21.0 | 65.9 | -11 |
| 24-Pergunnah | | 1 2 | | | i | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | ł |
| Howrah | | Calcutta | arcs2 | 30.101 | -,455 | NNE | .35 | 77:5 | 17, 18, & 19 Jan. | 4 0.0 | 11th | 76 6 | 53-1 | 61.9 | 1.2 |
| Hooghly | | 1 | 1 | | | | | | | | i | | | | |
| Burdman | *** | Burdwan | | 50.102 | 1026 | NNW | 5:19 | 81.0 | 17th ,. | 19.3 | 13th 15th | 78'6 | 51:7 | 65-2 | -03 |
| Bankoora | | Ennkoora" | . 29°773 T | | - | Calm | 118 | 76 1 | 17th | 50 0 | 20th | 74°6 | 53.4 | 61 0 | _ |
| Beerbhoom | } | Rancegunge . | 20768 | Serger | 1007 | W.Z.W. | 62% | 80% | 17th | 4872 | gath | 78% | 52.3 | 65:5 | |
| West Burdwan | | Berliampore | larets | 70 107 | į. | | 1 | | | | | | | | -10 |
| Juni 1922 | | Krishnaghur | | 1- | . 0 | W.Z.M. | 315 | 7*1 | 16th, 17th Jan | 18.6 | 20th | 77.0 | 51.5 | 61.3 | -09 |
| .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |) | , Art sanskaar | | | - | Calm | 500 | 7919 | 17th | 45.1 | 1.th | 750 | 187.1 | 6372 | - |
| |) | Jessore . | jana. | 36,163 | 70° 5 | Calm & | 29.6 | 79 7 | 17th, 48th | 45'9 | tui | 78'1 | 1977 | 64.1 | -1'7 |
| | | Chittagong | 29967 | 30 189 | 0:0: | Northerly | 1 33 | ~ | Jan. | *1:4 | | | 1 | | |
| Chittagong Bill | 1000 | Domagari | | | | NE | a Servatao | | insh | 01- | title | 786 | 52.8 | 65'7 | -1.1 |
| | | Barrisal | - 30'673 | 30'086 | 1 7012 | Culm & | 372 | 765 | ice wed. | Sara | - 111h, 15th | 7377 | | | T. |
| | | Nonthelly | Swart | ares6 | | Northerly Cabu | | 78% | Jac., | 17:0 | Pin, | 77.5 | 52.1 | 6320 | -3.1 |
| Furredpore | | Farredpers | Sa'n.si | Se 100 | - 621 | N | 27 | 717 | 13.1 | 47.0 | run | 743 | 44.4 | 652 | 1.0 |
| | | | į. | ١. | | N 655 | | 1 14100 | | | | | 407 | GUS | -1.8 |
| | | Incea | 201673 | 50°6 6 | r (lia) | Caim | 45 | 78% | 16th | 50.1 | 19th, 10th Jan. | 77'8 | 51 s | 61% | -16 |
| .,044 | | Commillah | 30 054 | 20,000 | 1 'ab2 | N | 199 | 791 | 18th | 47:1 | Lah | 75'0 | 49°2 | 63.6 | -1.3 |
| | | Mymensingh | 350.0 | Viena in | . n11 | NE | 1 -23 | 22.1 | tath o | 454 | goth ., | 73.8 | 49.3 | 61 6 | -1.2 |
| 2.0 | 11 | Госта | - 38 016 | 1 300046 | 48 | Calm | 100 | 77"1 | 164h ., | 44.5 | _01h | 27.8 | 4370 | 61 9 | _ |
| , | 1.7 | Serajgunge Rampote Beau- | | | -1002 | NW | 51 | 77"3 | 16th | | 201h | 76'2 | 47'2 | 617 | -13 |
| | | derh. Muhiah | Sarego | 59109 | : 'ots | Northerly | | Total I | isth, 17th Jan. | 100000 | 14ch, 20th Jun. | 75.5 | 47'8 | 61.8 | -0.7 |
| mannan . | | Januari | | | 1.44 | NW | 25/8 | 77'5 | 17th . | 423 | 20th , j | 77:2 | 46'5 | GI'S | - |
| Dinagepere . | ! | Dinage pore | 2074 | 30.0-7 | ~ ·010 | SSW & | 55.0 | 7671 | Isth | 45.1 | doth , | 74.9 | 47:4 | 61.2 | -1.1 |
| Kungpore | · i | Rungpore | 23° 5.4 | Suresi | - 645 | Calm | 21.0 i | 75'2 | 18th | 1375 | 20th | 78'6 | 47'8 | 60.4 | -1:11 |
| Infhiketse | | Julpagerre | 20781 | 201 | -015 | Easterly | 41 | 72'9 | luh, isth | 45'0 | 15th [| 71.7 | | | |
| Cooch Behar |) | 1 | 1 | | | | | ." | Jan. | 130 | Jath " | | 48.7 | 60 2 | →2.1 |
| Parjeeling Hill To | mets | Dargeeing† | 22757 | - | 1157 | Calm | 127 | 4614 | 14th | 20.1 | sech a " | 43.3 | 32'7 | 38.0 | -2.2 |
| Purneah | 1 | Purneuh | 29:971 | 30 161 | -1604 | Westerly | 66'8 | 7512 | 17th ., | 413 | 20th , | 73'5 | | | |
| North Bhagulpar | 4 | | | | | | | 1 | | | | | 45.4 | 59.5 | -2.3 |
| dozufferpore Arbbungs | | Mozufferpara Durbhunga | 29 0.3 | Portor | | 1 | servatio'i | | | | | | | | |
| humparun | 1. | Wethers | 2015.37 | 39767 | - '024 | WSW | 107 | - | 17th } | | 23th | 69.1 | 54.6 | 61.9 | +0.1 |
| ATUR | 1 | Chupra | | 301095 | (035) | w | 152.1 | 520 | 16th | 1 | 20th | 72'3 | 45'4 | 68'9 | -14 |
| - 100 - 100 | | Dehree | 2975. | | | W | 102.9 | *************************************** | lith o | 100000000 | 19th, 20th | 72.1 | 48'9 | 60.5 | 1'5 |
| baladad | 11 | Susar | 1 | 3010; | - 10.7 | 11.514 | 165.2 | | loth ., | - 1 | litin, 1,116 Jun. | 73'3 | 5219 | C3.1 | +1.6 |
| | 1 1 | | 29/877 | | -:623 | W | 117°3 | | 15th 15th,: 18th | 1377.7745 | lath " | 73 1 | 48:3 | 60.7 | -1·v |
| у ь | 6 | iya | | | - '045 | North- | 13-1 | 7-20- | Jun. | | inth " | 72'8 | 47.0 | 59.9 | -1.0 |
| alna | 1 | | | | | Westerly. | 80.4 | - 1 | 17th . | | otn " | 75'0 | 61:4 | 63.2 | +0.3 |
| ath Bhagalpore | "() | | | | | | 34.4 | | 16th | 45'0 | oth " | 23.0 | 49 1 | 61.1 | -0.3 |
| -ankhy: | j - 1 | Bartilpere | 207602 | 30 trio | - '012 | W | 65 | 76'4 | ifth | 44 0 | 14th, 20th | 73.9 | 47.1 | 66.5 | -1.7 |
| othal Prymnich | s 1 | homina | 25:375 | - | | NW | 67:7 | 78'3 | 16th ,. | 43.9 | Jan. | 76'1 | | | |
| amidaan | 11 | azaribaga | 25 636 3 | 200 | + .001 | WNW | 18970 | 0.0000000 | 16th ., | | lath. | 72'0 | 44.2 | 02:3 | -47 |
| hardoges | | 1 | | | | manife(M) | 10,000,000 | | loth ,, | 24.7 | 10111 | 140 | 40'2 | 00.0 | -13 |
| maringpa | | nmek | in. | 40.00 | | | | | | | | | | | |
| anbhoots | | anchee | 27'903 | 30.101 | 003 | NW | 115.4 | 74'4 | lstn " | 45'4 | 30th ,, | 71:0 | 48'3 | 60'1 | -1.6 |

Means for six days.

The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 30, the atmosphere seems of the reading during the same period for the last way of the reading of the ramfall in that district determined from the returns sont in by the aud-divisional station for the destroy by 30, the audition in the district century by 30, the audition in the district ce

or the week ending Friday, the 20th of January 1888

| 2 | 1 5 ; |) is | 1 | | | | | i2 | NPALL. | | | | | | 1 | | |
|------------|---|-------------------------------------|--------------------|-----------------|-----------------------|-----------------|------------------|---------------------|-----------------|------------|-----------------|---------------|---------------------------------------|---------|--------------------------|----------|-----|
| | week | reek inn. | () p | WEEK. | | | | _ | | - | 1 . | | B | . iii | 1 | | |
| | for | stat | | | 140 | ce 1st of m | onth. | | e 15th May | y 1887. | mark. | 4.7 | Representa | | וין פויו | ICT, | |
| at 10 A.M. | Avorage cloud amount at 10 A.M. for week, | Rainfall of week observing station. | Mean for district. | Normal mean. | Mean for district. | Normal nean. | Variation. | M en fer decree. | Normal mean. | Variation. | Versige remited | Negard manker | | | | | |
| | 0.3 | Nil | Ī_ | | - | | Ī - | - 1 | _ | _ | _ | 1 - | - Gogalpega | ***- | i | | |
| " | | 15337 | | | | 2000 | | | | | | | i i i i i i i i i i i i i i i i i i i | | Poaros | * | |
| 2 | 0.1 | Nil | - | 0.07 | Nil | 6.11 | -0.11 | 43'97 | 56:37 | -12° to | 0.0 | 0.55 | False Point | 1 | | | *** |
| 4 | 0 | Nil | - | 0.03 | Nil | 0:12 | ~ 0.15 | 41'87 | 62:47 | -7°6a | 0.0 | 0.1 | Cuttuck | | Cuttack | - 100 | *** |
| 3 | Ü | Nil | - | 0.05 | Nil | 0.18 | -0.15 | 47.84 | 53.30 | 12706 | 0.0 | 0.1 | Hadasore | | Balasore | | ••• |
| 7 | 0 | Xil | | 0.01 | Nil | 0.51 | 0°21 | 55'28 | 62:37 | -1.00 | 0.0 | 0.5 | Sangor Island | ı Ś | South-West 1 | Ildnap | ore |
| | 0.7 | N. 1 | | 0.01 | 0.01 | 0:30 | -0*29 | 50°47 | 51:13 | -0.96 | 0.0 | 672 | | 1 | South 21-Pers | donan | И. |
| G | 0.3 | Nil | | 1 004 | | 11.30 | 1 | an 11 | 31 1-1 | | 1 00 | | Malempore | | Midminore | •• | |
| | U | Nil | ļ | 0.02 | Nil | 0.56 | -026 | 10050 | 52'11 | -11:61 | 0.0 | 0.5 | Calcutta | 1 | 24-Percunnah | y | |
| 8 | | N. | | | 2000 | T-PIL | 1 | | | | 55.25 | | Canentra. | | Howrah | *** | |
| 0 | 0 | Nil | | 0.02 | Nit | 0.15 | - 0.12 | 45:01 | 46'54 | -1256 | 0.0 | 6.5 | Burdwar | | Hooghly Burdwan | •• | |
| N | 0 | Nil | | 0.03 | 6:61 | 6/17 | -0 16 | 19:35 | 52*22 | 2187 | 0.0 | 0.1 | Bankoora | | Pankoora | 225 | 0.1 |
| ·or | | | | | i | | | | | | 80.0 | | 1 | 10 | Beerbhoom | ** | ••• |
| 9 | ņ | Nil | | 0.(#; | 0.09 | 0.58 | 0.52 | 47'61 | 52.20 | - D65 | 0,0 | 0.3 | Rancegunge | - 1 | West Euraws | n | *** |
| 5 | 0.3 | Nil | | 0.00 | 0.05 | 0.31 | -0.30 | 58'83 | 49'70 | 45/15 | 0.0 | 0.3 | Berhampore | | Moorshedaba | | ••• |
| 17 | 0.3 | Nii | | 0.02 | Nil | 0.12 | - 0.1 | 4278 | 49.32 | -6:54 | 0.0 | 0.5 | Krishnaghur | 15 | Nuddea | | ••• |
| | | 250 | | | | 0.50 | 9*26 | 41:50 | 53/74 | -1221 | | 112 | I . | | Jessop- | | |
| 7 | 0 | Nil | | 0.02 | Mil | 0 20 | 39.20 | 41 | , E | 1 712-01 | 0.0 | | dessara | •{ | Khaolini | | ••• |
| 7 | 0 | Nil | | 15.0 | Nil | 0.35 | 0.33 | 96103 | 11149 | ~18'16 | 0.0 | 0.1 | Chitingong | 794 | Chittagong | | *** |
| | | | | 9:07 | Nil | 6.51 | w 24 | 61:50 | 82'07 | -20% | 0.0 | 0.5 | Dentarire | ni. | Chitiagong H | il! Trac | ot. |
| 3 | - 0 | Nil | | • 6'07 | Nil | 0*37 | -0"37 | 59132 | 78:01 | 1572 | 417-3 | 11.2 | Barrisal | 222 | Back rgunge | | |
| 2 | U | Nil | Nil | 0.00 | Nil | 6.18 | + 0.12 | 72'07 | 140'61 | -57.01 | 0.0 | 0.5 | Noakholly | | Noakholly | | |
| 8 | 0 | Nil | Nil | 0.02 | Nit | 0.5 : | -0.53 | 35-91 | 56'21 | - 20°30 | 0.0 | 1072 | furreespore | | s'urre-dpore | | |
| 1 | 0 | Nil | Nil | 0.02 | Sil | 0.50 | -0.50 | 40:29 | 60.58 | -20'69 | 0.0 | ting. | Ducca | | Di.cera | | |
| 3 | 0 | Nil | Nil | 0.11 | Nil | 0.41 | | 42'01 | 71:27 | - 20126 | 0.0 | 0.5 | Committee | 40 | Camadah | 79) | |
| 7 | 0.9 | Nil | Nil | 0.03 | Nil | 6°23 | -023. | 60'53 | 67*55 | -7'00 | 0.0 | 0.2 | Mymens.ngh | 24 | Manensinen | 2.7 | " |
| | | | | | | | | | | | | 1 103 | | | | ** | " |
| i. | 0 | Nil | Nil | 0.69 | Nil | 0.27 | -0'27 | 60.12 | 57:03 | 4 2.12 | (1.1) | 9.3 | Berra | | Bosta | | |
| S | 10 | Nil | Nil | 0.10 | Nil Nil | 0°23 | - 0°24 - 0°34 | 49:57 | 53.77 54.00 | -1.11 | 0.0 | 0.5 | Promininge | 7. | | 96 G | - |
| 1 | 0 | Nil | Ail | 0°05 0°11 | NII I | 0 33 | 0°.53 | 46°61 | 61.72 | -811 | 9.0 | 0'; | Rase, see Bear Mattan | die III | Rayachye Mahtar | | |
| 7 | 0 | Nil | | "" | | ., | | | 0112 | | | | MATERIA. | 1 | ******** | 9 0 | |
| ê | 0 | Nil | Nil | 0.15 | Nil | 0.20 | 0.20 | 69,09 | 50.67 | 4 15 01 | tro | 0.5 | Damespore | | lana reporte | | |
| 1 | tr | Nil | Nil | 0.15 | 0.02 | 0.55 | -021 | 80 65 | 70124 | 4.7'41 | 0.0 | 0.3 | Kongyere | 11. | | | - |
| ia. | 0.3 | Nil | Nil | 0.12 | 0.01 | 0.35 | -0.51 | 117:43 | 110.40 | 4779 | 0.0 | 0.3 | Julips rec | ; | | | - |
| | | 192026 | 2000 | | | | | | amercon l | i | | 20.00 | | (| | | |
| 99 | 7.6 | Nil | Nil | 0:30 | 0.05 | 0.11 | - 0°33 | 117122 | 120-67 | -3 ta | 4.0 | 0 16 | Dargeeline | | Darpeling (14) | Tract | N |
| 11 | 0 | Nii | Ni' | 0.18 | Nil | 0.35 | -0'32 | 65'04 | 57.86 | +7'18 | 0.0 | 0.3 | Parmeah | - 1 | Purneau North Bhaguip | | 1 |
| 1 | | | NT: | 0.12 | 811 | 0.11 | -0.11 | 46:90 | 43.00 | +351 | 0,0 | 0:3 | Mozniferiore | | Mozniforn | | 11 |
| | 1'7 | Nil | Nil | 0.14 | Nil Nii | 0.40 | -0.10 | 40.62 | 44'14 | +5 8 | 0.0 | u*.i | Darbaanga | | Durthumes | | 1 |
| | 2.6 | Nil | Nil Nil | 0.12 | Nil | 0.22 | -0.55 | 49738 | 46720 | +3·1s | 0.0 | ws | Methari | | Christian. | | 11 |
| 0 | 11 | Nil | Nil | 0.11 | Nil | 0.31 | -0'31 | 39 35 | 42'83 | -3'IS | 0.0 | 6.3 | Caupes | | Sarun | | 1 |
| 18 | U | , Nil | | | 65.64) | | | 1750 Ave 12 | | | | | | ; | | - 10 | 1 |
| 9 | 14 | Drops | Nil | 0.15 | Nil | 0.11 | -0.41 | 37:.5 | 40 11 | 2'36 | 0.0 1 | 0.1 | | | Shuhmura | | 1. |
| 5 | 0.4 | Nil | | | | | | | | | į | i | Arran |) ; | | | 1: |
| 8 | 0 | NH | Nil | 0.16 | 0.03 | 0.36 | ~0.33 | 38:03 | 41-35 | -3 42 | 0.0 | 0.3 | tça | - 1 | Gyь | | |
| 4 | 6.9 | Nil | Nil | 0.15 | 0.03 | 0°35 | -0'31 | 26.08 | 41*33 | -525 | 6.0 | 0.3 | iant:pote | 201 | | | 1 |
| 1 | 0.7 | Nil | Na | 0:10 | | 0:33 | -0.52 | 43.00 | 42 95 | 41795 | 0.0 | 0 :: | i∎mguipere . | | South Binguipe | ro " | 11 |
| | . 1 | III | Nil | 0.18 | 0.02 | 0.99 | -0.26 | -5100 | | | | | | - 1 | Monshyr | | |
| 2 | .0.3 | Nil | Nil | 0.15 | 0.04 | 0.56 | -0.55 | 55.23 | 50.43 | +2:10 | 0.0 | | tio sinda tio sinda | - 1 | Southal Pergun | usiis . | 1 |
| 9 | . 0 | Nii | 0.01 | 0.03 | 0.52 | 0.58 | -6.03 | 46'68 | \$0.12 | 3750 | 0.1 | (ac; | Hazaritm _{e,} n | | | • • | 1 |
| 0 | 0.0 | Nu | Nil | 0.11 | 0.44 | 0.30 | 40.14 | 41'78 | 47:10 | -2 41 | 0.0 | 9.3 | Kanen | 31 | Lwardugga . | | |
| _ 1 | | | | | | | | | | 23732 | 12000 | | | 7 | | | 1 |
| 2 | . "0 | NII | NII | 0.15 | 0.46 | 0.85 | -0.56 | 40.68 | 51.15 | -1'44 | 0.0 | 0.7 | Chyconses | | Singbhoom . | • | زا |

The variations are assumes when the mean for the week is less than the corresponding normal mean, and positive when greater.

The parations are assumes when the mean for the week is less than the corresponding normal mean, and positive when greater.

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Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of January 1888.

| | | | | | R | AINPAL | • | | | Тот | AL | | A warrage | | Avers |
|-----------------------------|----------------------------|--|--------------------------|-------------|--------------|--------------|----------|---------------|-------------|--|---|---|---|--|--------------------------------------|
| Esteurological division. | District. | Station | Saturday 14th January | Sunday 15th | Men 3 t 1 th | Fuesday 17th | Wedneday | Chursday 14th | Frilas 2 th | Jr 2- 1. 7 | l amfall of | Total rain fall since 1st of month | Average that can fall from lat of month | Total rainfall since 151), May 1887 | rants from 1 May 18 to date |
|) (1986) | Pooree | Pen e khi dah Ranpur Lake U nt Gor Peph | | | | | | | | 77.77 | NI vil Nil Nil | Nd Nd Nd Nd Nd Nd | 0 05 0 21 1 | 33 41 98 72 11 00 6 4 78 28 44 | 52 57 51 64 |
| | Outtank | Ingatsingpore Bank Untrick Kendi para Jupp e Du to moalla Silip re | | | v 1 | | | | | NII NII NII NII | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Nil N I Nil Nil Nil 0 II Nil | 0 11 0 10 6 03 0 1 0 20 7 | 31 39 41 17 48 66 51 31 47 89 43 11 50 11 | 67 52 50 50 52 |
| | Halasor- | Chan I ali Rhuddiuck Soch Ban no Iellismo Bang dih | | | | | | | | X | NI | N 1 Nil Nil Nil Nil Nil | 0 13 0 08 0 10 0 10 0 4 0 4 | 99 89 42 76 18 3 18 77 37 96 43 15 | 53 51 52 54 52 53 |
| outh-West Remoat | Midnapol• | Centan Sauger esland Limit I Milmire Ghitt Kuki ila v He ta Bhanu inpore Girbeta | | | | | | | | NI | X 1 | Nil Nil Nil Nil Nil Nil Nil | 0 10 0 17 0 1 0 1 0 1 7 7 | 48 82 70 12 41 80 46 22 57 83 51 77 40 71 4 2 48 26 | 81 65 50 48 54 |
| | §4 Perguunal s | Dam nd Har l ur (in ing Time Aip: Jul Bir: kp: Dan Dum Birser Buserthat | | | | | | | | 71 71 71 71 71 71 71 | | 71 71 71 71 | 0 0 0 44 0 24 6 1 0 -5 9 -4 | 65 91 46 99 61 48 40 03 40 64 67 53 61 18 | 55 49 52 50 54 |
| | Howrah | Howrah Mchest ka (Outchertah) | | | | | | | | Nil | Nil Nil | Nil Nil | 0 33 | 37 14 37 88 | 81 63 |
| | Hooghly | Ser unpore He ghis Ichanabad | | | | | | | | Nil Nil Nil | Nil Nil | Nil Nil Nil | 0 '2 0 18 0 10 | \$4 00 59 33 | 50 48 51 |
| | Burdwan | Culna budwan Cutw Ramegunge Menkur | | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil | Nil Nil Nil 0 ii3 Nil | 0 17 0 10 0 25 0 17 17 | 36 52 41 70 5+ 11 4- 71 41 78 | 47 47 47 49 |
| • | Bankoors | Binkocia bisi npore Milinia Khatra India Kotalpore Anda Gangajalshiti Kaspore | | | | | | | | NI N | 7777777777 | Nil Nil O U Nil Nil Nil Nil Nil Nil | 0 30 6 04 0 13 0 17 Y | 43 93 54 34 48 68 51 02 39 83 41 65 38 54 48 90 51 76 35 61 | 81 50 40 56 |
| | Beerbhoom | Bh Soory Heta opere Rampore Haut Balpore | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | 0 16 Nil 11 Nil | 0 25 (1 19 0 43 Y | 49 64 50 80 44 18 41 34 | 65 54 451 |
| | Nuddes | Ranghat kishnighur (hicadanga Milicip re kooshtes | | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil Nil Nil Nil | 0 14 0 15 0 17 0 22 0 16 | 38 58 42 55 41 14 47 74 43 93 | 67 62 51 47 54 |
| | Khoolns | Satkhara Bag that At colns | | | | | | | ٠ | Nil Nil Nil | Nil Nil Nil | Nil Nil Nil | 0 28 0°37 0 39 | 46 69 51 21 42 66 | 88 61 85 |
| | Jespore | Narail Jess 10 Jhenidah Mugootah Bongong | 5 | | | | | | | Nil Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil | Nil Nil Nil Nil | 0 34 0 29 0 20 0 11 0 15 | 23°87 39 68 42 53 33 84 55 45 | 64 51 51 51 |
| | 4-orshedsbad | Kandi Berhampore Laibagh Azingunge Jungipore I algoit Aktrigany Patkabari | | 2.0 | | | | | | Nil Nil Nil Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil Nil Nil | Nil 0 05 Nil 0 06 Nil Nil 0 01 Nil | 0 30 0 36 0 14 0 20 6 37 0 42 1 | 46:67- 55:30 66:77 59:37 62:48 62:15 53:28 P | 50 80 48 50 48 |
| AN BEFORE | Chittagong | (ox x Bazar (bittakong Autubuta valkanya | · | | | | ÷ | : | | Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil Nil Nil | 0 27 0 38 1 | 116:54 75:58 78:67 68:21 | 185 |
| | Chittagong Hill Tracts. | Rangamati Rums | | | į.,, | : | | | | Nil Nil | N _l l Nil | N ₁ 1 Nil | 0°34 0°14 | 65'46 89'68 | 88 |
| | Backergunge | Patnakhally., Perozepore Burasai | | <u>.</u> | | | | | | Nil Nil Nil | Nil Nil Nil | Nil Nil Nil Nil | 0.35 0.42 0.44 0.23 | 66'58 66'59 56'59 | 88° |

tatement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of January 1868 - contd.

| 1 | 1 | | | | d. | AINFALL | K | | | Tor | VI., | | 100000000000000000000000000000000000000 | B 255 100 | Avecur |
|-----------|---------------------------|--|------------|--|------------------|----------------------|-----------------------------|----------------|---------------------|---|---|---|---|---|------------------------|
| | | Station. | 44 | 15th | 10th | II7tin | ary. | 15th | 4196 . | ₹ | ઇ | Total rain- | Average total rain- fall from | Total rain- fall since 15th May | from 18 |
| relogical | District | | Samudar, J | Sunday, January. | Monday, January. | Tuesday, January. | Weannesday, 18th Junuary | Phursday, 18th | Fraint. | Nearher rainy days. | RESERVED. | 1st of meath. | 1st of month. | 1897. | May 188 to date |
| BENGAL. | | Gournaddi Bauphai | | | | | | | | Nil Nil | Nil Nil | Nd 54 | ? ? | 40°52 61°09 | |
| nold. | Nankholly | Nonkholly Fenny Harishpore | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | Nd Nd Nd Nd | 0:38 0:58 1 2 | 7211 7218 73143 60163 | 109 109 |
| | enerendpore | Madaripore Furreedpore Goalundo | | ************************************** | | | | | | Nil Nil Nil | Nil Nil Nil | Nil Nil Nil | 0.36 0.16 0.23 | 51/80 37/32 35/50 | 56° 57° 56° |
| İ | Dago | Munshigunge Daces Narainkunge Manickgunge | | | | | | | 17 -a 101 -a | Nil Nil Nil Nil | Nil Nil Nil Nil | Nit Nit Nit Nit Nit | 0°27 0°20 0°01 0°22 | 39°21 45°15 41°91 34 88 50°87 | 71° 59° 61° |
| | Hill Tipperah Tipperah | Agartola Comilla Chandpore | | ., | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil Nil Nil | 0183 0144 0123 0144 | 42:31 48:15 37:92 39:79 | 62 77 81 63 |
| | | Brahmunberis Kamchandra- pore, Nasirnagar., Daudkandi Kasba | | | | | | | | Nd Nd Nd Nd Nd | Nil Nil Nil Nil | N:I N:I N:I N:I | ; ; ; | 37708 36714 36715 42746 30/31 | |
| | Mymensingh | Laksham Kishorekunke Atm (Tangail) Mymensingh | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil Nil | Nd Nd Nd Nd Nd | 0°11 0°22 0°18 0°26 | 57:88 30:94 68:70 62:51 | 70° 56 74 65° |
| | | Jamaluore Netrokona Subornakhally Durgapore Dewanganj | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil | Nil Nil Nil Nil | 0°05. | 73/62 6174 115/01 73/95 37/71 | 72 |
| A HERGAL | Pubna | Pubna Serajgunge | | | | | | | | Nil Nil | Nil Nil | Nil Nil | 0 25 | 60°25 47°82 | 63 59 |
| | Hogra | Sherpore Nowkhills Bogra Panchbibi | | | | | ***** | ****** | | Nil Nil Nil Nil | Nil Nil Nil | Nil Nil Nil Nil | 0°21 0°29 0°21 | 59°25 63°84 68°01 | 60 60 51 |
| | Ka shahye | Beauleah Nattore Naopaon Lalpore Manda | | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil Nil | Nit Nit Nit Nit Nit | 6-31 9 10 7 9 1 | 61:95 47:19 62:33 34:03 62:62 | ėä |
| | Maidab | Maldah Chanchal Gajol Sibganj | 0.00000 | | | | | | | Nd Nd No Nd | Nil Nil Nil Nil | N·1 Nil Nil Nil 8 ! | 0.10 0.10 1 | 49°61 45°4 51°19 52°82 | 51 57 57 |
| | Dinagepore | Mohadebpore Churamon Raigunge Dinagepore Buloorghat | | | | | | | | No No No No No No No No No No No No No N | Nd Nd Nd Nd Nd Nd | Nil Nil Nil Nil Nil | 0°26 0°31 0°39 0°28 0°28 | 62°07 58°17 73°29° 90°14 61°25 | 62 61 |
| | Rusepore | Bhawanigunge (Gyabanda). Runkpore Kurigram Bagdogram (Nilphamari) | e | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil | 0 13 0 08 Not Not Not | 0.51 0.52 0.31 | 67:26 80:45 71:44 100:34 61:19 | 74 74 73 |
| | Jalpikoree | Julpigoree Alipore Doar Fallacitta Debiganj | | | | | | | | Nil Nil Nil Nil | Not Not Not Not Not | Not Not Not Not 0003 | 0°21 P P P 0°27 | 12474 138 96 142 11 96 07 101 20 | 116 |
| o g | Goosh Rehar. | Dinhatia Cooch Behar Mickligunge Matabhanga | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil | Nil Nil Nil | 0°10 0°20 0°23 0°65 | 12224 12235 11633 16672 | 106 116 116 |
| | Hill. | Buza Silligari Darjeeling Kulimpong | | | | | | | ***** | Nil Nil Nil | Nil Nil Nil | Nd 6/14 0/06 | 0°34 0°38 0°38 | 107:51 111:36 80:30 81:37 | 79° 69° |
| H BHEAR | Purnosb | Kissengunge. Arrarean Purnesh Gondwara Balarumpore Matiari | | | | | | | | Nil Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil Nil | 0:30 0:30 P P P | 60 58 60 28 7 66 05 81 18 70 11 53 53 | 63: 60: |
| | North Bhagui pore. | Kaliaganj Mudaupore 800pool Protabyanj | | | | | | | | Nil Nil Nil | Nil Nil | Nil Nil Nil | 0°26 : 0°49 | 61°10 66°11 41°40 | 43 |
| | Darbhungs | Tajpore Durbnunga Madhubani Rahera Roshera | | | | | | | | Nil Nil Nil Nil Nil | Nd Nd Nd Nd No | • Nil Nil Nil Nil | 0°36 0°42 5 6°36 | 52°27 55°16 51°54 40 JS | 41. |
| | M osufferpore | Sitamarhi Mosufferpore Hajipore Para | | | | | | | | Nil Nil Nil Nil Nil | Nd Nd Nd Nd Nd Nd Nd | NII NII NII NII NII | 0'16 0'10 1 | 43 16 37 22 41 14 35 41 41 01 40 68 | 45. |
| | Chumphrun | Binhar Papri Motibasi Bestiah | | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil Nil Nil Nil | 0:40 0:31 P | 59:45 59:30 59:16 36:01 | 43 45 |

Statement of Rainfall in Bengal for the week ending Friday (6 m.p.), the 20th of January 1888.-concld

| | | Į, | 14 S C C C C | | R | LINVALI | | | | Tot. | ۸, | | | | |
|----------------------------|-------------------------|--|---------------|---------------|------------------------|-------------------------|-----------------|--------------|--------------|--|--|---|---|--|---|
| Mateorològica) Division | District. | Mation | Sameder, 14th | Jantary. 15th | w ndar 16th January | Tuesday 17th January | Un 'needay 15th | Trades, 19th | Frilay, 20th | Number of | To Hist of | Potal rain fall since lst of mouth | Average total rain full from lat of month | Total ratu- fall since 15th May 1887 | rates from 19 Mar 19 to date |
| MORTE BEHAN | Sarun | Gopalgung- | | | | | | - | | Nil Nil | Nil Nil | Nil Nil | 0 1H 0 47 | 41 89 88 94 | 41 |
| OVIH BRUAD | Shahabad ' | hunrah Buxar Di nice Khubooah Sasaram Arah V hima | | | | | | | | NI NI NI NI | Nil Nil Nil Nil Nil | Nd Nd Nd Nd Nd Nd Nd | 0 7 0 57 2 0 40 0 30 0 41 | 87 22 83 56 97 56 40 74 35 44 40 35 | 4 4 4 |
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| | Manbhoom | i urulis Loomid, ore | | | | | İ | | 1. | Nil Nil Nil | Nil Nil Nil | 0 13 0 10 | 0 15 0 33 | 88 64 44 23 28 63 | 4A 45 |
| | | haphunu(n- pore Barrah wom Jhalda (hus | | | | | İ | | | Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil Nil 0 13 | . ; | 87 03 40°92 | , |

Exploration.—Indicates that 10 taus has fallen in the return for any day has not been received the corresponding space as left lank. If any of the refuse wanting the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 24th January 1888.

TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 20th OF JANUARY 1888.

THE weather during the past week has again been uniformly fine over the greater part of the province, and except in parts of Behar and North Bengal skies have been practically cloudless throughout this period. Along the line of the hills as represented by the observations at Darjeeling, skies have been heavily clouded throughout the week, and about the 16th skies began to cloud over at some of the stations in the plains near the foot of the hills. These conditions were probably the result of the casterly movement of a slight barometric depression which had formed over Northern India at the close of the previous week, but the depression was apparently of a slight nature and rapidly filled up in its advance. It appears probable, however, that the depression must have given a fall of snow along the Himalayas, though with the exception of a few drops of rain reported from several stations, no measureable falls of rain have been reported at any of the stations in either North Bengal or Behar. In Chutia Nagpur at Hazaribagh on the 18th, and in Orissa at Dhurmsalla in the Cuttack district on the 17th instant light showers have fallen, but with these exceptions the whole province was rainless throughout the week. Winds have generally been light at the majority of stations, and in several instances calms were reported during the earlier days of the week, but the wind directions on the whole have been fairly steady from the north and north-west. Throughout the week therefore the cold-weather conditions in Bengal have been well marked and have been very fully developed.

Barometer.—During the previous week a steady and prolonged fall of pressure had taken place, but at the beginning of the present week a slight increase of pressure commenced, which has continued almost uninterruptedly during the week, though on the 17th and 20th slight falls were reported at some stations. Nevertheless the average pressure for the province has been slightly in defect of the normal, and taking into consideration only those stations which have recorded observations for a series of years, the mean pressure for the week for the whole province has been 0.014 inch in defect. The defect is again largest in the northern districts, such as North Bengal and North Behar.

Temperature and Humidity.—Humidity was decidedly low at the commencement of the week, but it then generally increased and remained moderately high till the close of the week, when it again began to falt. The variations of temperature have also been somewhat similar, and temperature was low on the 14th, and it then rose slowly at the majority of stations for the greater part of the week, but on the 20th it had again commenced to fall. Compared with the normal, the mean temperature of the province for the week has been 1.3° in defect of the normal, and this defect is very equally distributed, except in the case of South Behar, where it has been somewhat less than 1°.

The variations of the average temperature during the week from the normal can be seen from the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given compared with the normal means for the same period. It will be seen that the defects from the normal have been largest in the night or minimum temperatures, for the mean maximum or day temperature of the nine stations has been 0.4° in defect of the normal, while the mean minimum or night temperature has been 2.2° in defect of the normal:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 20th January 1888.

| | Normal, mear maxi- mum fem- perature for the week ending 20th Junuary. | perature | of the actual tem- perature | Normal mean mini- mum tem- perature for the week ending 20th January. | perature for the week | | Normal mean daily fempera- tine for the week ending 20th January. | Actual mean drily tempera- ture for the work ending 200, January 1888. | of the netical compera- |
|--|--|--|---|---|--|---|---|---|---|
| Cuttack Calcutta (Aliporo) Dacca Burdwan Putna (Bankipore) Gya Purnesh Hazaribagh Darjeeling | 80:6 76:9 77:9 77:9 72:9 75:5 74:9 73:0 44:8 | 83°8 76°0 77°8 78°0 73°0 75°5 73°5 72°0 43°3 | +0°2 -0°3 -0°1 +0°7 +0°1 0 -1°4 -1°0 -1°5 | 60°7 55°0 54°8 54°8 54°2 40°7 50°8 45°4 50°8 85°6 | 5714 5311 5118 5117 4011 5114 4514 1012 3217 | -53 -28 -30 -25 -96 +96 -30 -16 -29 | 72°2 66°4 66°4 66°1 61°3 63°2 61°7 61°9 40°2 | 7006 6119 6118 65 2 65 2 611 63 5 505 606 38 0 | -1% -1% -1% -0% -1% -0% -1% -1% -1% -1% -1% -1% -1% -2% |

Ramfall.—As before stated, one or two slight showers only of no importance have been registered.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 20th of January 1888 - -

| | | 8 | 1 BMPB | BATUR | B | | | | | | AUNP | AL. | | | | • : |
|------------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|---------|----------------|-----------|--------------------|-------------------------------------|-----------|----------|------------------|----------|----------------|
| | K week. | # eek | Averag | res for | week. | ahore or | (|)f wee | , | R | siny di | ys. | | int of | | 1887 |
| Metrorofogical Invisions. | Highest observed during | Lowest observed during | of highest of each day. | of lowest of each day. | Of mean for each day. | Average mean of week a | Average | Vormal average | Cariation | Average Lumber III | Normal average num- ber in wees. | Fariacion | Average. | Varinal average. | Average. | Normal average |
| Orissa | 86 4 | 10 4 | 80 3 | 56 8 | 181 | 1 5 | Nil | 013 | -0 08 | 00 | 01 | -01 | Nil | 0 14 | 43 42 | 54 07 |
| South-West Bengal | 88 3 | 156 | 77 1 | 122 | 119 | -13 | Nd | 0.06 | -0 06 | 0.0 | 0 2 | -02 | 0 01 | 0 25 | 46 72 | 52 07 |
| Bast Bengal | 79 6 | 45 1 | 76 5 | 50 5 | 63 5 | -13 | Nil | 0 08 | -0 08 | 0 0 | 0 2 | -0 2 | Nil | 0 30 | 35 50 | 74 1 |
| North Bengal . | 77 5 | 12 3 | 75 0 | 47 ' | (1 1 | -13 | Nil | 0 18 | →L 13 | 0 0 | 03 | -03 | + 01 | 0 28 | 73 61 | 80 50 |
| North Heha- | 70 5 | 40 1 | 718 | 496 | 80.2 | -1 5 | Nil | 0 16 | -0 16 | 0.0 | 03 | -03 | Nil | 0 36 | 52 07 | 48 21 |
| outh Behar . | 78 5 | 42 9 | 710 | 19 | 61 (| -34 | Nh | 0 15 | -0 15 | 0 0 | 0 3 | -03 | 0.01 | 0 34 | 41 89 | 43 N |
| Onusia Nagpur | 74 40 | 4 1. | 1 | 18 8* | 60 4 | -1 1 | NI | 0 10 | -0 10 | 0 | 04 | -04 | 0 30 | 0 29 | 44 88 | 40 2 |

[·] Chyenasa not included

MATROROLOGICAL OFFICE, BRNGAL.

A. PEDLER,

The 24th January 1888

Offa Mereorangueal Reporter to the Goot, of Bengal

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 15th to 21st January 1888.

| | | | 1 | | 1 RMPERA | 1011 | | | , на | GROMETRI. | | |
|---------|---|--|---|--|--|--|--|--|---|--|--|----------------|
| Номп | | Date | | Mean. | 46.51 mum | Ranke | 4fınımum, | Mean wet builb | l apour tension | Dew pount. | Hamldity | Rain |
| 1864 | | | 1 | • | 1 | 1 | • | • | Inches | • | * | Inche |
| January | • | 15th 16th 17th 17th 19 h 20th 21st | | 65 2 66 0 67 0 67 5 66 3 64 4 61 1 | 78 9 80 1 79 9 80 1 77 9 75 1 74 5 | 25 0 27 1 25 0 21 2 22 6 21 2 26 0 | 50 9 52 2 53 9 65 9 55 3 51 0 48 2 | 57 3 58 6 59 61 1 57 8 54 8 57 0 | 366 396 410 454 368 304 413 | 50 3 52 5 53 4 56 3 50 5 45 4 58 6 | 58 62 65 67 57 51 76 | N ₁ |

| | | | | | U |
|----------------------------------|-----------------|------|-----|-----|-----------------|
| The mean temperature of the se | ven days | | ••• | ••• | 65.4 |
| The extreme variation of temper | ature | ••• | • | ••• | 81.9 |
| The maximum temperature | ••• | ••• | • | ••• | 80.1 |
| The mean relative humidity | •• | ••• | ••• | ••• | 62 |
| The total fall of rain from 15th | to 21st January | 1888 | ••• | | Inches. Nil. |

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

JOHN ELIOT,

The 23rd January 1888.

Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st January 1888.

| | | | brigh | barometer . | 1 | BMPRB | ATURE | | | HYGRO | KETEY — | | Wind, | | | |
|--------|----------------|-----------------|---------------------------|--|--------|---------|-----------------|------------|----------------|-----------------|------------|-----------|----------------------|-----------------|--------------|-------------------|
| Month. | Date | Maximum in sun. | Number of hours of bright | Mean pressure bare at 32° Fuhr. | Meab. | Maximum | Range | Мівіта | Mean wet bulb. | Vapour tension. | Dew point. | Humidits. | Prevailing direction | Wiles recorded. | Rain. | Waates |
| 888. | | 0 | | In hes | 0 | 0 | 0 | 0 | 0 | Inbusi | 0 | 1% | | | Inches. | ī |
| en. | 15 t h | 129 3 | 95 | 29 992 | 62 3 | 77 2 | 26 4 | 508 | 553 | 0 349 | 49 0 | 65 | WSW calos and va | 21 | Nil | ('lear, |
| ,, | 16th | 128 8 | 95 | 30 003 | 63 5 | 77 6 | 25 1 | 52-2 | 56.8 | -362 | 50 0 | 65 | WSW and calm | 30 | | Char |
| | 17tb | 128 3 | 95 | 29 999 | 64 3 | 77 7 | 25 0 | 52 7 | 57 4 | 382 | 51 5 | 66 | N by Wand WNW | 30 | " | Clear, |
| • | 18th | 126 5 | 9 5 | 30 014 | 64 9 | 77 6 | 22 7 | 54 9 | 58 4 | •408 | 53 3 | 69 | WNW, N and calm | 27 | " | Chieffy clear |
| , | 19th | 125 0 | 94 | 033 | 616 | 75 7 | 18 8 | 56 9 | 57 2 | -37 3 | 50 8 | 63 | N and calm | 46 | ,, | Clauffy clea |
| | 20th | 125 0 | 9 5 | 019 | 623 | 73 1 | 19 0 | 51 1 | 53 7 | •305 | 45 4 | 56 | NE and calm | 62 | ь | (leat |
| . | 21st | 120 2 | 81 | 073 | 59 9 | 72 6 | 23 6 | 190 | 52 0 | 287 | 43 8 | 59 | N is W and calm | 33 | ,, | Chiefly clus |
| ! | The a | verag | e pre | ssure of the sr of ho | the o | brig | pondi ht sur | nshine | , | | year | s, S | S. G.'s Office | | 76 | 21 |
| 7 | The a The e | verage xtrem | e tem e var | rature peratur nation c emperat | of tem | he co | rresp | s ondin | g per | iod fo | r 24 | yea | rs, S. G.'s Office | ••• | 6. 67 | 3] 7·7 3 7 |
| | | | | city of | | and i | n one | hour | | | | | | ··· | Mil | ев 7 |
| • | l'he li | ighest | pres | sure of | wind | on o | ne sq | uare i | loot | | | | *** | 1 | II Not me | asurable. |
| | | | | ve hum: tive hui | | of th | ne cor | respo | uding | g perio | d for | 24 | years, S. G.'s Of | hce | C | 0 |
| | 11 . 4 | tal fa | ll of | rain fro | 1: | 44 44 | 91.4 | T | 1 | 600 | | | | | Inch | |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer rendings are corrected approximately to those of the standard Newman's No. 56,

formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of - Bookien's anemograph.

The month of the rain-gauge is one foot above the ground. top, , a dew.

JOHN ELIOT,

Offg. Meteorological Reporter to the Goot, of India.

MERICAGO CONTONE OFFICE, GOVT. OF INDIA; Colonia, the 18th January 1888:

MEMORANDUM.

The chief features in the mortuary statistics of the districts in Bengal, for the month of November 1887, deduced from the table annexed to this memorandum, are—

1. That the deaths of 147,957 persons were registered out of a population of 66,163,884 in these districts, presenting a death-rate of 26.76 per 1,000 per annum, against 24.48 per 1,000 in the preceding month, and 32.04 per 1,000 during the corresponding month of 1886, indicating, as compared with the former period, a fair advance in the registration of deaths, and that of the latter period, a great retrogression.

2. That the highest casualty-rates were returned from the following districts :-

| Districts | | | Districts. | | | |
|-------------|-----|-----------|----------------|------|-----|--------------------|
| | | Ratio por | | | 1 | Antio rer mulli |
| Maldah | | . 53 61 | Bogra | | | 31 20 |
| Murshidabad | | . 46 11 | Bhagulpur | •• | | 33.00 |
| Nudder | | 44 88 | 21-Pergunnalis | | | 32 85 |
| Raishahye | ••• | 43 08 | Purneah | 1000 | | 32.64 |
| Dinappur | | . 40.08 | Khulna | ••• | *** | 32.58 |
| Monghyr | | 10.05 | Pubna | | | 30.36 |
| Rungpur | | 38 16 | Puri | ••• | | 29 10 |
| Backergunge | | 36 72 | Hazarıbagh | | | 29 28 |
| Julpaiguri | | 36 36 | Jessore | ••• | | 29.01 |
| Birbhum | | 36 12 | payor britain | | | |

3. That referring to the incidence of the specific death-causes mentioned in the table given below, it is seen that cholera and fover prevailed with considerably less fatality during the month under notice as compared with the results of the corresponding month of the preceding year, and that the death-rates from the other diseases exhibited only fractional variations:—

| | | | | | datio per m | ille doring— |
|------------------|-----|------------------------|-----|-----|----------------|---------------|
| | | | | | Novembar 1887. | November 1889 |
| Cholera | *** | •• | ••• | *** | -48 | 2 88 |
| Small-pox | | 2002 (1 9 0) | | | .03 | 01 |
| Fever | | *** | ••• | ••• | 21.48 | 21 (0) |
| Bowel-complaints | ••• | ••• | ••• | *** | .72 | .96 |
| Injury | | ••• | | | .12 | .21 |
| Other causes | ••• | ••• | •• | | 3.60 | 3.72 |

4. That the following districts returned the highest death-rates per 1,000 of population from the above-mentioned diseases, excepting small-pox, bowel complaints, and injury, which do not appear to have presented any local severity:—

| Cholcra. | Fc | ver | | Other cause. | • |
|----------------|---------------|-------|-----------|--------------|-----------|
| Ratio per | | | Ratio per | | Ratio per |
| Puri 408 | Maldah | | 52 56 | Puri | 14.76 |
| Balasore 2 28 | Murshidalad | | 43.20 | Backerganj | 10.68 |
| Chittagong 216 | Rujshahye | *** | 41.40 | | 10 00 |
| | Nudden | | 39 96 | | |
| 1 | 1) | | 37 08 | | |
| | D | • ••• | 35 28 | | |
| | Lungpur . | | 0.000 | | |
| 3) | Julpaiguri | • ••• | 33.60 | | |
| | Monghyr . | | 32 88 | | |
| | Parneah | | 32 04 | | |
| | Bogra | | 30 96 | | |
| i | Birbhum | | 30 00 | | |
| , t | Pubna | | 28 68 | X E | |
| 1 | Bhaculnur | | 27 48 | | |
| (i) | T landam | | 27 24 | | |
| | | | | | |
| | Jessore | | 27.00 | | |
| | | | 25.68 | | |
| | Backerganj | | 24.96 | | |
| | 24-Pergunnahs | ••• | 23.88 | | |
| 3 | Shahabad | | 22.20 | | |
| | Hughli | | 21.60 | | |
| | Gva | | 20 88 | B | |
| 3 | Burdwan | - | 20.64 | l. | |

5. That the mortality of the month under the heads of Sex, Class and Age stood as indicated below:—

| According to Sox | es . | According t | o Class. | C. | | Accord | ing t | o A | ge. | |
|---|------------------------------|---|----------|---|--|-----------------------|--|-----|-----|--|
| Males Females Ratio of male deaths to every 100 female deaths | Ratio per mille, 27'96 25'68 | Christians Hindus Mahomedans Budhists Other classes | | Ratio per mille. 15:48 25:56 30:04) 14:52 18:60 | Under 1 and 5 ", 10 ", 15 ", 20 ", 30 ", 40 ", 60 year | l year under "" | 50 10 15 20 30 40 50 60 | | 1 | Ratio per milla. 177-36 84-44 16-20 12-00 16-08 17-04 18-60 24-24 36-00 61-44 |

R. LIDDEEDALE, M.D., Deputy Surgeon-General, Sanitary Commissioner for Bengal.

| | | | | | | | | • | | | _ | | | • | | | | 9 | _ | 7 | | 8 | | |
|--|---------------|--|---|---|--|-------------|-----|------------------|--------|------------------|-----------------|-----------|-------------------------|------------|---------------|--|--|---|-------------------|----------------------|-------------------------------|---|---|--|
| PRIMERS AND ADDRESS OF THE PRIMERS AND ADDRESS O | - 100 T | • • | | | | | | | | | | | MORTA | | CORDIN | | | | | | | | | |
| Determined to the control of the con | | | 2 | PULATION | | | | | | | - | Disease | | | | | | | | | | Sex. | | |
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| The state of the s | | | 's ales. | Pemales | Total. | • Project , | | Howel complaints | lulury | sostostp (1011() | sesusoilA | | | | | ************************************** | ###################################### | menth is the pressure farron p run un | nt to one of the | | Bolanto | // tles. | Containes. | satio of male destins. Lou femilia deskins. |
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| R. LIDDERDALE, M.D., Deputy Surgeon-General, | Sanilary Commissioner for Bengal. |
|--|-----------------------------------|
| PROB OF SANTARY COMMISSIONER FOR BENGAI, | The 16th January 1888. |

| | | 19.1 | | DIVISTONS, | | |
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MEMORANDUM.

THE birth and death returns from the principal Municipalities in Bengal afford the following results for the week ending 31st December 1887 -

- 1. That births were registered at the rate of 25 6 per 1,000 of population and deaths at 307 per 1,000, as opposed to 230 and 295 per 1,000, respectively, durings the preceding week ending 24th December, showing an improvement in the registration of both
- 2. That the following Municipalities furnished the highest proportions of births and deaths:-

| | | Bu ths. | | | | Death | is | | |
|------------|-----|----------|-----|-----------------|------------|----------|----|---|-----------|
| | | | | Ratio per mille | | | | 1 | Ratio p r |
| Narainganj | | <u>.</u> | ••• | 787 | Suburbs of | Calcutta | | | 58 .3 |
| Bhazulpur | | ••• | | 413 | Natunganj | | | | 49 7 |
| Durbhanga | ••• | | *** | 435 | Santipur | | | | 491 |
| Hughli | | *** | | 41 6 | Jessore | | | | 439 |
| Arrah | | | | 35 9 | Hughb | •• | | | 11 6 |
| Monghyr | | | | 35 3 | Bhagulpur | •• | | | 416 |
| Comiliah | | | | 34 6 | Beaule th | 0.6 | | | 3.8 |
| Howrah | • | *** | | 30 3 | Serampur | | | | 5 } |
| | | | | | Durbhanga | | | | 33 8 |
| | | | | 1 | Puri | | | | 336 |
| | | | | 1 | Chittagong | | | | 328 |
| | | | | 1 | Burdwan | | | | 32 () |
| | | | | | Kishnagar | | | | 30 3 |

3. That, as compared with the results of the preceding week, there was a noticeable enhancement of mortality from fever, and only fractional differences in the rates from the other death-causes, bowel-complaints and injury presenting no variations .-

| | | | | | Ratio | per mille durin | g the weeks ending- |
|-------------|--------|-----|-----|----|-------|-----------------|---------------------|
| | | | | | 31 | st Dec 1887 | 24th Dec 1887 |
| Cholera | ••• | | | | •: | 3 3 | 40 |
| Small pox | ••• | *** | •• | •• | • | 03 | 1 |
| Fiver | | ••• | | | | 13 3 | 12 1 |
| Bowel comp | laints | | ••• | | | 5 5 | 55 |
| Injury | ••• | | *** | | *** | 2 | 3 |
| Other cause | 98 | ••• | ** | | | 83 | 76 |

4. That the Municipalities named below appeared to have suffered the most from the diseases indicated in the foregoing table, excepting small-pox and injury, the casualties from which were nowhere above normal :-

| Cholera. | | · Fever. | | Bowel-com | plaints | Other ca | 4868. |
|--|-----------------------------------|---|---|------------|-------------------------|--|---|
| | Ratio per | | Ratio pe | r | Ratio per mille | | Ratio pa |
| Narainganj Suburbs of Calcui Santipur Durbhanga Howrah | 207 tta 108 105 55 23 | Santipur Beauleah Burdwan Jessore Kishnagar Suburbs of C | . 35 0 8 9 . 27 4 24 5 22 7 alcutta 21 5 | Suburbs of | . 161 f Cal- 12·0 | Puri Bhagulpur Gya Suburbs of Purneah Sorampur Dacca | 18 9 15 4 14 3 Calcutta 13 8 13 8 11 8 11 7 |

5. That the death-rates in relation to Sex, Class and Age, were returned at the rates noted below:-

| According to S | According to Sex. | | ding to | Class | • | | Acc | ordin | g to | Age | • |
|--|-------------------|---|---------|---------|------------------------------|-------------------------|---|----------------------------------|------|---------------------------------------|--|
| | Ratio per | | | 10.7000 | mille. | | | | | K | mille. |
| Ratio of male death to every 100 fema | | Christians Hindus Mahomedan Other classes | - | | 13 0 30 5 31 8 36 4 | 1 a 5 10 15 20 30 40 50 | er 1 y nd un ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, | 10 15 20 30 40 50 | " | · · · · · · · · · · · · · · · · · · · | 176 6 40 8 13 5 11 8 17 8 21 7 28 0 24 3 3.3 3 81.4 |

R. LIDDERDALE, M.D., Deputy Surgeon General, Sanitary Commissioner for Bengal.

| 11 | | | -สนำสะ 01 หมาย | ob elam 10 oitañ Delamol en 1320 | , 81 | 133 | 72 | 260 | female desths. | 150 | de deaths. | E | 2 2 | 90 2 | 3 8 | S 200 | le deaths. | 163 | 160 | 133 | 90 | 4 : | 1 9 8 | . 8 | 8 5 | nale desths. | 22 | 350 | 69 | E | ; |
|----|-----------|-----------|---|---|---------|------------|------------|------------------|----------------|----------|------------|-------------------|------------|----------|------------|----------|------------|---------|-------------|----------------|------------|-------------|-------------|---------|--------------|--------------|------------------------|--------|---|---------|---------------|
| | | | | amoration etc. editoti | | | | | No fem | | No na | | | | | | No male | | | | | | | | | No fee | | | | | |
| | | 8ex. | O PER CATION | Fem.les | 6.82 | 15.2 | 6.25 | 1 05 | : | 9.91 | 7.2 | 21.8 | 973 | 2 1 2 | 3 | 2 2 | 25.3 | 15.3 | 25.29 | 33.2 | 1.63 | 2 | 1 92 1 | | 0 0 | 1 | 9.6 | 7. | 33-7 | \$0.2 | |
| 11 | | | 100 | Nalcs. | 6.23 | 15.4 | 25.53 | 6 61 | 34.1 | 17.8 | : | 65.8 | 2 2 3 | 2 5 | 35.3 | 53.1 | ; | 613 | 6.24 | 31.5 | 19.1 | 2 2 | 1 00 | 1 63 | 1.5 | 0.71 | 35.1 | 8.22 | 18.4 | 27.5 | 7.88 |
| _ | | | RAT | Females. | 13 | • | 18 | 10 | : | 21 | - | 101 | | - 4 | | • 00 | 91 | | io. | 9 | 62 | 3 : | 9 40 | | 1 00 | 1 | 8 | • | 10 | 6 | 928 |
| 20 | | | Оватив. | Males. | - 6 | ., | 7 | 13 | 2) | 18 | • | 173 | о. | - 9 | | , 1 | : | 18 | ۲ | 00 | 0 | ÷ ; | 3 2 | | 0 3 | - | 60 | : | n | 7 | - |
| | | | | and and all | 15.3 | 1 113 | 26.9 | 41.3 | 37.8 | 24.0 | 0.11 | 62.6 | 675 | 2.0 | ? ? | 2.92 | 6.2 | 16.3 | * :: | 1.7: | 19 6 | 2.91 | 2.61 | | , | 11.7 | | 14.5 | 48.: | 27.3 | |
| | | | | and subsolved or or man per an and mental independent | , | GI | 24 | * | 63 | c) | 1 | 9 | n | | | 7 1 | | - | • | | - | | C 05 | 7 | | • - | | | 2 17 | 0. | ٠ |
| - | T.O. | | 4 | All causos. | 33.0 | 13.9 | 9.14 | 3373 | 18.5 | 17.1 | 9.9 | 28.3 | 30.3 | 2 4 | 0.63 | 33.8 | 13.0 | 5.51 | 40.1 | ?? | 23.1 | 103 | | | 9 | 1.0 | 9.14 | 16.3 | 1.13 | 33.6 | 80.4 |
| | ACCORDING | | ON PRE | Other decays 8- | 4.6 | 4:0 | 2.3 | 8.11 | ; | * | 4 | 13.8 | 3 | : - | : ; | | : | 11.7 | 1.4 | - | 1.1 | . : | 2 2 | | , , | , | 12.4 | 21 | 13.9 | 18.9 | |
| | CCOB | | "opetation | Injury. | ; | : | 100 | 1 | : | ij | : | ?1 | 1 | | : [| 3 | | : | : | 4.1 | : | : | ļ- | : | * | | : 1 | 1 | | : | • |
| | 200 | | NAT WOR | stuiniquico-sonoti | ; | 1.2 | 1.51 | <i>f</i> - | | <u>.</u> | 1 | 13.0 | | 0.9 | | 4 | 13.0 | 1.5 | 8.3 | *? 21 | or 60 | e i | 7.5 | | - · | : | : 5 | 6.3 | | 5.1 | : |
| | MORTALITY | | 1,000.0 | Fevers. | \$.13 | 2.2 | 2. | 1. 2. | 5 | <i>‡</i> | 2.2 | 2.13 | 1 1 | 6.0 | | 0 00 | : | 5.0 | 16.2 | 15.8 | 9.11 | | 13 E | | | 1.0 | 15.3 | 6.3 | 13.5 | 12.6 | |
| | MON | ٠ | P. 88 | -tod-fluids | - | 3 | i | | : | - | : | : | | | ; | : | | : | : | : | : | - | ; | : | | | : | | | : | |
| | | Disease. | RATIO | прајоца | | 1 | | : | : - : | | ; | 8.01 | | : 5 | 2 : | 1 | : | 13 | 27.1 | 5.5 | ; | 5.1 | | : | : : | 2 | | | ::: :::::::::::::::::::::::::::::::::: | : | : |
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| | İ | | | | ec . | es | | 9 | - | e · | : | 13 | 7 | | | | | 81 | - | 23 | 21 | i i | . · | , , | | | 17 | 77. | + | 8 | 0.00 |
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| | | | ā | | - | | | - | | 1 (2) | 17.5 | | | | | | | | | 36. | - | 5 | | | | | | | | | 966 |
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| | | | | | \$1,08. | 83,50 | 88,713 | 26.190 | 012.3 | 90.813 | 14,515 | 231.439 | 27,477 | 8,083 | 28,65, | 10.701 | 7.978 | 191,03 | 13,561 | 13. | 13,506 | 237 | g ! | 3 | 21 1 | 9, 5 | . 2 | 3 | 16 | 75 | _ |
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| | 8 8 | • | ! | Fermidea. | 16,017 | 16,633 | 19,539 | 12,937 | 5,464 | 87,769 | 6,279 | 104,93 | 14.214 | 4,633 | 15,979 | 3,655 | 2.947 | 87.379 | 4,958 | 8,790 | 5,333 | 81,475 | 37,831 | 22,505 | 19,658 | 52,522 | 612,17 | 20,246 | 0.553 | 11,537 | |
| 4 | | - | | .xoleR. | 18,963 | 14.027 | 19.179 | 3,539 | 3,646 | 53,155 | 7,836 | 47,205 | 13,263 | ¥.098 | 13,705 | 4.830 | 2070 | 12,782 | 7,605 | 13,340 | 8,153 | 78,762 | 38,250 | 20,1460 | \$3.08¥ | 53,774 | 110'07 | 049.02 | 8 463 | 18,947 | |
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| Surgeon-General, |
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| D. Deputy |
| LIDDERDALE, K. |
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| Water I | Hughli and Chinsureh | 1 | - 13 | : c. | • | 2001 | 31.5 | 9.49 | 8 | :51 121 2 | • | | : | | 21 | + | • | 1. | 8 226 | 5,055 | 28.2 | 6.11 | | | 9.63 | 1 40.3 | 3 111.5 |
| | Serampore | 1 | 16 | : | | 1 | 83.9 1 | 110 9 | | d | c) | - | 1 | εì | 65 | 91 | 8 | 27.7 | 1 295 | 293.0 27 | 57.6 | 50.7 | * | 12 9.15 | 1 20.8 | 1 48.3 | |
| 1 | Utterpara | : | 91 | | : | 1 | 10.3 | : | 3 | ** | : | : | 1 | : | | | : : | _ | - | | : :::::::::::::::::::::::::::::::::::: | - | | 72.5 | ?! | : | 14:3 |
| 5 | Howrah | i | 19 | | | : | 14.9 | 25.3 | 5.015 | | 3 4 | - | - | | 20 | 13 | • | (86 | :: :: | 75.6 37.5 | | | 6.1 | \$5.8 13 . | s 13.5 | • | • |
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| E4-Pergunnalie S. | Suburbs of Calcutta | oı | 195 | | | 15.55 | 9.93 | 1 1.21 | | * | er L | • | 6 | 15 | 10 | | : 1 | 6 | 1.582 | | - | 24.1 | 1333 | 46.5 | | | 2 62.1 |
| | Kishpaghur | 1 | 13 | | : - | : | 33.3 | 15.5 | | | 91 | : | | 7 | | 10 | 71 | | 1 2307 | | 63.5 | . | 18.2 | 25.3 | 60.7 | 6.18 | 9 24.7 |
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| : | Jessore | • | c) | | : | | E | 0.82 | : | ¢1 | | : | : | 72 | | 01 | | | 53.71 | 5 .77 | | | | | | 2.6 | |
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| | Богранка | 1 | * | | 1 | i | 37.1 | 1:17 | | (40) | 10 | 45 | 51 | ч | • | | :) | | 9 267.3 | 67 | | 71 | 15.6 12.3 | 15.6 | 5 23.3 | | |
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| | Monghyr | 177 | : | • | 1 | | | 16:5 | : | : * | • | - | | ~ | : | 71 | | ٠٥ | | 1 33.4 | | | | 13.8 | 11.7 | | _ |
| : 4 | esp | * | 9 | 21 | | : | 20.5 | 15.4 | : : | 21 | | : | : | : | 01 | • | - | : | 367.5 | | | - - | | 31.7 | 6.94 | _ | _ |
| Pari | Fur | - | | : | 1 | : [| | | : | ! | | : | - - | | | | | | | : | | - | · | <u> </u> | 115.5 | - | |
| | 10101 | n . | 537 24 | | | 1 13:0 | 30.0 | F | 1.9 | £ 103 | - | 3.5 | 1. | 1. | 113 | 123 | 75 61 | 120 | 1 | 8.04 | | 13.5 | 1 100 | 17.8 | - | 24.3 | - |

OFFICE OF SANITARY COMMISSIONER PUB. BENGAL,

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of November 1887.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

Length of Canal open { Taldundah Canal ... 27. miles. ... 4 ,..

| | | | TOTAL GOVERNMENT | AND PRIVATE | | PR | HTA Z | | |
|----------------------------------|---|----------|-------------------|--------------------|-----------------------|-----------------|-------------|-------------|-----------------|
| Fumber of boats or fraits, | Description | | Quantity- Tons | | Value | Quantity | Vı | luo | R K9. |
| , | | Up. | Down | Total | Rnpors | Tons | Ruj | pees. | REMARES. |
| 6 | 1. Grain | | 671 | 671 | 1,425 | 671 | | 1,425 | |
| ••••• | 2. Cotton | | | | | | | | |
| ••• •• | 3. Orlseeds 4 Salt | | | | | | | | |
| | 5. Piece-goods | | | | •••• | | ". | | |
| | 6. Metal . | | | | 169 | | | - | |
| 14 | 7 Building materials 8. Miscellaneous . | | 210 121 | 210 12 <u>1</u> | 153 695 | • 35½ 12½ | | 27 695 | |
| 3 | 9. Fuel | | 26, | 261 | 175 | 264 | | 175 | |
| 12 Rafts | 10. Tunber 11. Bamboos | | 35 No 7,200 ,, | 35 No 7,200 , | 50 106 | 35 No. 7,200 ,, | | 50 | |
| | II. Damboos | | 7,200 ,, | 7,200 | | 1,200 ,, | | 100 | |
| 26 & 12) | | (| 3164 | 3163 | 1 2.00 | (142! |) | | |
| Rafts } | 12. Total | <u> </u> | 7,235 No. | 7,235 No. | 3,598 | 7,235 No | } | 2,462 | |
| 9 | 13. Total of same | 1 | 811 | 814 | 1 652 | 18 1 | | 1.000 | |
| | month last year | } | 204 No | 204 No | (1005 | 204 No. | r | 1 652 | 20 |
| , | | Up | Down | Total. | , | | | Rs. | Α. |
| | number of boats ply- cargo No. | | 26 | 26 | Total tolls 24+25+ | | th— | 2 33 | 0 |
| ing | number of boats ply- | 17 | | 17 | Total tol | lage of a | same | 0.00 | |
| boa | | 17 | 2.3 | 40 | mouth las | st year | | 27 | 9 |
| | registered tonnage, go Tols , registered tonnage, | 89 | 554 | 643 | В | Iemorandum | of To | llage. | -, - |
| 17. 1000 | senger Tons | 530 | 425 | 955 | | | | | _ |
| 18. Ton-p | nileage | 2,658 | 12,355 | 15,013 | 1 | 2.0± 0 | | Rs. | ۸. |
| 19. Estim | ated value of cargo Rs. | | 2,448 | 2,448 | on t | not recov | ered the | | |
| 20. Numb | per of passengers No. | 720 | ••••• | 720 | mon | th | ••• | 43 | 7 |
| 21. Rafts, | , bamboos " | | 7,200 | 7,200 | 2. Tollage | per month | | 233 | 0 |
| 22. Do., | bullahs " | | 35 | 35 | | | | | |
| 23. Estim | ated value of rafts Rs. | | 150 | 150 | | | | | |
| 24. Tollag | ge on boats ", | 72-10-9 | 151-15-8 | 224-10-0 | 8. | Total | | 276 | 7 |
| 25. Compo | | | | | 8cc01 | | the the | | |
| 26. Tollag | ge on rafts " | | 8-6-6 | 8-6-6 | nont | ш | ••• | 223 | 11 |
| 27. Total ton | tollage on boats per | | | 0-0-2-87 | r | | | | |
| 28. Total 100 | tollage on rafts per 0 cubic feet | | | ****** | 5. Balance of th | due at the | end | 52 | 12 |

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

| | | | TOTAL GOVERNMEN | | | Puiva | TE. | | × 2 |
|---|---|--|------------------|--------------------|-----------------|---------------------------------|---------|----------------|-------------|
| umber of bests or raits. | DESCRIPTION. | | Quantity - Tons, | | Value. | Quantity. | Va | lue, | 4 |
| | | Up. | Pown. | Total. | Rupees. | Tons, | Ruj | pees. | P.E.K. |
| 98 | 1. Grain | 418 | 74 | 492 | 28,370 | 492 | 28 | 8,370 | |
| 1 | 2. Cotton | | 110 | 1 110 | 200 12,800 | 110 | | 200 | |
| 11 | 3. Oilseeds 4. Salt | 93 | 98 | . 191 | 34,030 | 110 191 | | 2,800 4,030 | |
| $\begin{bmatrix} 25 \\ 2 \end{bmatrix}$ | 5. Piece-goods | 1 | | i | 500 | 1 | Ų. | 500 | |
| | Metal Building materials | 6 | ₅₉₆ | 602 | 11,540 | 249 | | 0,400 | |
| 34 141 | 8. Miscellaneous | 161 | 459 | 920 | 2,03,740 | 856 | | 9,190 | |
| 7 | 9. Fuel | 30 | 987 No. | 987 No. | 100 1,550 | 30 987 No. | | 100 | |
| 7 rafts 3 ,, | 10. Timber | | 18,650 ,, | 18,650 ,, | | 16,450 ,, | | 1,550 390 | |
| | | (1,009 | 1,338 | 2,317 | 1, | 1,930 | | | |
| 19 &) rafts | 12. Total | 1 | & | 35 | 2,93,260 | 3 6 | 2,8 | 57,530 | |
| | | \ | 19,637 No. | 19,637 No. | 1 | (17,427 No |) | | |
| 182 & 6 rafts | 13. Total of same month last year | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 677 & 821 No. | 2,348 & 821 No. | 3,47,270 | 2,330 & 821 No. | | 16,770 | |
| | | Υр. | Down. | Total, | | | ******* | Rs. | 2. 1 |
| | | • | <u> </u> | | Total talla | | , | | |
| Total. | number of boats ply- | | | | 24 + 25 | ge of mont + 26 | n- | 3,873 | 6 6 |
| | g cargo No. | 180 | 139 | 319 | ĺ | ~ | | | |
| Total | number of boats ply- | | | | Total tollag | e of same me | onth | 77 | |
| ing | g passenger No. | 46 | 57 | 103 | last year | | | 2,470 | 14 |
| 1. Tota | l number of empty | 141 | 151 | 292 | | | | | |
| boo 5. Total | registered tonnage. | | | | ות | emor a ndum o | f Tol | luge. | , |
| | go Tons | 1,776 | 1,979 | 3,755 | | | | | - |
| . Total | registered tonnage, | 2 522 | 21124244 | | | | 1 | | |
| | ssenger Tons | 1,177 | 1,392 | 2,569 | | | 1 | Bs | . А. Р |
| . Ton-1 | milenge | 96,721 | 110,128 | 206,849 | | not recovered st of the mp | | 5,549 | 14 1 |
| . Estim | nated value of cargo Rs. | 1,45,120 | 1,46,160 | 2,91,280 | | | | -j= 10 | 1 |
| . Numl | ber of passengers No. | 861 | 1,605 | 2,466 | 2. Tollage | per month | | 3,873 | 6 8 |
| . Rafts | , bamboos ,, | | 18,650 | 18,650 | | | | | 3* |
| . Do., | timbers ,. | | 987 | 987 | | | - | | |
| . Estin | nated value of rafts Rs. | ••••• | 1,989 | 1,980 | 3, | Total | | 9,423 | 5 6 |
| I. Tolla | ge on boats ,, | 1,878-11-1 | 1,940-9-8 | 3,819-4-9 | | | | | |
| . Conir | ounded tollage on | | | | S. W. W. | Separation of the second | , | | |
| | ats Rs. | ••••• | (****** | ****** | 4. Amount accou | credited in t nts of the mor | the | 2,668 | 11 5 |
| . Tolla | ge on rafts " | | 54-1-11 | 54-1-11 | • | | | | |
| · Total tor | tollage on boats per | .: | | 0-0-3-6 | e | | - | | , |
| | tolige on rafts per 100 | × | | | | lue at the e | nd | | |
| | ihin mat | | ***** | 0-4-5 | of the | month | | 6,814 | 10 1 |
| | . 1 | name Su vo | | | | | - 4 | | |

HIGH LEVEL CANAL, RANGE I.

LINGTH OF CANAL OPIN, 33 MILES

| = | = | - | TOTAL GOVERNMEN | NAND I HILLIN | - | PRIV | 274 | |
|----------------------------------|--------------------------------------|--|-----------------|---------------|----------------|-------------------------------------|-------------|-----------|
| _innber of beats or rafts. | DESCRIPTION | | Quantity-1cus | | Value | Quantity | Value | - |
| | | tp |]kwn | Total | leapers | Tens | Rupeon | TAWAR |
| 48 | 1. Grain | 143 | 4 | 117 | 11,170 | 147 | 11,17 | 0 |
| ••••• | 2 Cotton | | , , | | | | | • |
| 29 | 3. Oilseeds 4 Salt | | 102 | 102 | 8,550 | 102 | 8,55 | in |
| | 5. Pace-goods | | 1 | | | | | " |
| | 6. Metal . | | 202 | ••••• | | | | |
| 2 | 7. Building materials | • | 23 | 23 | 100 | 23 | 10 | |
| 5 2 35 | 8 Miscellaneous 9 Fuel | 266 | ויט | 144 266 | 24,220 | 144 266 | 24,22 74 | |
| 7 rafts | 10 Timber | 1583 No | | 1,883 No | 2,500 | 1,853 No | 2,50 | |
| | 11. Bamboos | | | | | , | | • |
| 166 | | (49) | 157 | 642 | 1 | 682 | | |
| æ | 12. Total | 1} a | 1 | ٨ | 47,280 | 6 | 47,28 | 50 |
| 7 ratts | | (1,583 No | | 1,883 No | 1 | (1,883 No | 1 | |
| 160 & | 13. Total of some | 392 | 165 | 557 |) | 557 | 1 | - |
| 3 rafts | month last year | 1 916 No | | ٨ | 16,390 | 3 & | 36,39 | 00 |
| | 1 | | <u>-</u> - | 916 No | , ' | 916 No |) | |
| | | 1 p | - 1 wu - | 1(1) | | | I | Rs. A ! |
| | ~~ | | | * | | | | |
| | number of boats plying | 116 | | 14 | Total toilag | ge of month | 1 | |
| ca | rgo No | 116 | 50 | 160 | ُر2 + الـ | + -6 | . 6 | 18 14 |
| 15 Total | number of boats ply- | | | | | | 1 | |
| | g passenger No | 2 | 6 | 8 | | | | |
| , m | 1 | 16 | 89 | 10) | | e of same mor | ith ' | |
| 154. Tota | al number of empty boats No | 01 | 0.5 | 122 | last year | *** | 5 | 64 5 |
| '16. Total | registered tonna_e, | | | | | | | |
| | rgo Tors | 942 | 362 | 1,411 | | | | |
| 1 m . 1 | | | | | Ma | morandum of | Tollage. | |
| 17. Total | registered tonninge, ssenger Tons | 4 | 21 | 25 | | | | |
| 4 Pa | 1 | | | | | | | |
| 18. Ton-r | nilenge | 14,887 | 5,797 | 20 681 | | |]] | Rs. A. |
| 19. Estin | nated value of cirgo | 30,540 | 14,210 | 44,780 | | not recover | | |
| 20. Num | ber of passengers | 3 | 18 | 21 | mout | ne 1st of t | | 39 0 |
| 21. Rafts | , bamboos cft | 3.● | | | o m.11. | | | |
| 22. Do | timbers No | 1,883 | . ! | 1,883 | 2 Tollage | ier month | 6 | 18 14 |
| | | | | Ā | | | | |
| 23. Estim | nated value of rafts | 2 500 | | 2,5 0 | 3. | Total | 77 | 57 14 |
| | 50 11 111 201 | | | 10 | | | | / A2 |
| 24. Tolla | ge on boats Rs | 30C G-6 | 158 1-9 | 464-8-3 | 4. Amount | credited | in | |
| 25. Comp | | | | | the s | coounts of | the | |
| bo | ats Rs | 20- 20- | ** *** | | mont | 1 | 5 | 4 1 |
| 26. Tolla | ge on rafts ;, | 154 6 0 | ··· | 154-6-0 | | | | |
| 27. Total | tollage on boats per | | | | | | | |
| | a-mile | | ••••• | 0-0-4-3 | | | عببه | ********* |
| | tollage on rafts per 0 cubic feet | | ** | 8-2-10 | | due at the e | nd 2 | 3 18 |
| | | · V · · · · · · · · · · · · · · · · · · | <u> </u> | | | in in 19 was a color of the same of | 1.1 | 1977 |

HIGH LEVEL CANAL, RANGE 11.

LENGTH OF CANAL OPEN, 121 MILES.

| | | | Total Governmen | T AND PRIVATE | | PRIV | ATR. | 1 | 2=2 |
|-----------------------|---|--|----------------------|---------------------------|--------------|--------------------------|--------------|--------------|----------|
| Number of boats or | DESCRIPTION | | Quantity-Tons. | | Vai | Ou mitity. | Value, | | i. |
| ralts. | | Up | Down | Total | Rupres | l ma | Rupees. | | RRMARKS. |
| 34 | 1. Grain 2. Cotton | 115} | | 115} | 4,911 | | 4,911 | | |
| 3 | 3. Orlseeds . | | 9 36½ | $\frac{9}{36\frac{1}{2}}$ | 528 3,765 | 9 363 | 528 3,765 | | |
| 4 14 | 4. Salt 5. Piece-goods | | 22 | 22 2 21 | 6,200 820 | 22 | 6,200 | | |
| 1 55 | 6. Metal 7. Building materials | 2 ł 46 | 472 | 518 | 332 | 21 17 | 820 121 | | |
| 21 | 8. Miscellaneous | 51 | 42 | 471 | 7,515 | 473 | 7,515 | | |
| 10 rafts | 9 Fuel 10. Timber 11. Bamboos | 20 No | 529 No | 549 No. | 1,592 | 519 No. | 1,592 | | |
| 132 & 19 rafts | 12. Total | $ \left\{ \begin{array}{c} 169\frac{1}{2} \\ & \& \\ 20 \text{ No} \end{array} \right. $ | 581½ & 529 No. | 751 & 549 No | 25,663 | 270 & & 519 No. | 25,152 | | |
| 194 | 13. Total of same month last year | 694 | 312 | 1,036 | 24,782 | 412 | 24,553 | | |
| - | | lμ | Down, | Total. | | | | | = |
| ing | number of boats ply- | • 43 | . 89 | 132 | Total tolla | ge of month | | , <u>†</u> . | P, |
| | number of boats ply- g passenger No. | 1 | 1 | 2 | 21+25+ | 26 | 333 | 9 | 9 |
| 151. Total box | l number of empty nts No. | 40 | 63 | 103 | Total tolk | | me 215 | 9 | 6 |
| l6. Total | registered tonnage, go hoats Tons. | 339 | 1,163 | 1,502 | _ | _ | | | _ |
| 17. Total | registered tonnage, ssenger boats Tons. | 4 | 4 | 8 | Л. | Temorandum e | of Tullage | | |
| 18 Ton 1 | niloage | 6,112 | 19,753 | 25,865 | | | Rs. | ۸. | P, |
| 10. Estim | nated value of cargo Rs. | 6,681 | 17,390 | 21,071 | | not recover | | | |
| 0. Numl | ber of passengers | | 78 | 151 | on 1 mont | he 1st of t h | | | |
| 1. Rafts | , bamboos | ••••• | | | | | | | |
| 2. Do., | bullaha No. | 20 | 529 | 519 | 2. Tollage | per month | 333 | 9 | 9 |
| 28. Estin | nated value of rafts | 5 | 1,587 | 1,592 | | | - | | |
| 24 Tolla | ge on boats Rs. | 71-9-3 | 235-15-3 | 307-8-6 | 3. | Total | 333 | 9 | 9 |
| 25. Comp | ounded tollage on Rs. | | ••••• | | 4 Amount | credited | in he | | |
| 28. Tolla | ge on rafts " | 0-15-0 | 25-2-3 | 26-1-3 | montl | | 330 | 3 | 3 |
| 27. Total | tollage on boats per | • | | 0-0-23 | | due at the e | nd | | - |
| 23. Ditto | on rafts per 100 oubic | , | | 4-12-0 | of the | e month |] | 6 | 6 |

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

| | | | TOTAL GOVERNMENT | AND PRIVATE | | PRIVA | JR. | |
|--------------------------------|---|------------------|------------------|-------------------------|---------------------------|--|---|----------|
| Number of boots or rafts | DESCRIPTION | | Quantity-lons | | Value | Quantily, | Value. | EEB |
| | | Up | Down | Total | Ropers | Tons | Rups es. | REMARES |
| 15 | 1. Grain 2. Cotton 3. Oilseeds 4. Salt | 42 31 | 71 165 | $rac{42}{7rac{7}{2}}$ | 2 364 639 2,228 | 4º2 · · · · 7¼ 20 | 2,361 639 2,228 | |
| 10 3 | 5 Piece-goods 6 Metal 7. Building materials 8. Miscellaneous 9 Fuel | | 75! 16½ | 75½ 16½ | 132 1,116 | 16 ł | 1,416 | |
| | 10. Timber 11. Bamboos | | | | | | ••• | |
| 33 | 12. Total | 451 | 116 | 1611 | 6,509 | 86 | 6,677 | |
| 55 | 13 Total of same month last year | 279 | 157 | 436 | 4,260 | 105 | 1,000 | |
| | | l p | Down | Tota | | and the same of th | | |
| | number of boats ply- | 16 | 17 | 33 | Total tollag | go of month- + 26 | _ | A. 11 |
| ing | number of boats ply- passenger No | | | | Total tolla | | | |
| 5½. Total bus | l number of empty tas | 6 | 18 | 21 | month last | year . | 69 | 14 |
| 5. Total car | registered tonnage, go tons | 91 | 233 | 323 | Ме | emorandum 0) | Tollage. | |
| | registered tonnage, senger tons | | | | | | Rs. | Δ |
| 3. Ton-n | ated value of cargo | 2,861 2,736 | 3,691 4,073 | 6,552 6,809 | | not recovered to 1st of the | 10 | |
| | per of passengers | 73 | 87 | 160 | | | | |
| | bamboos No | | | | 2. Tollage p | oer month . | 66 | 11 |
| 2. Do., | bullahs " | | | | | | | |
| 3. Estim | ated value of raits 13s. | | | | 3. | Total . | RIK | 11 |
| . Tollag | ge on bouts " | 25-2-6 | 41-9-0 | 66-11-6 | u. | iotai . | 60 | 14 |
| i. Comp box | ounded tollage on- | , | | | 4. Amount the a | credited : | in he | |
| 6. Tollaş | go on 1ufts ,, | | | • | , month | | | 11 |
| | tollage on boats per i-mile | | | 0-0-2-0 | 5. Balance | due at the or | ıd , | Y. |
| 8. Total . 100 | tollage on rafts per cubic feet | | •••• | | | 17 | • · · · · · · · · · · · · · · · · · · · | 筹 |

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

| | | | IOIAI GOVERNMEN | II AND PRIVATE | | PRIVAT | 8 | 1 |
|--|--|------------------|---|---------------------|--------------------------------|----------------------|------------------------|----------|
| Number of boats or raits | DESCRIPTION | | Quantity-Fons | | Value | Q in tity | Value. | i i |
| | | l p | Down | Total | Rupics | I ns | Rupeed. | REKARES. |
| 703 | 1. Grain 2. Cotton | 5,064 | 331 | 5, 395 | 2,19,572 | 5,395 | 2,19,572 | |
| 13 | 3 Orlseeds | 48 | 59 | 107 | 10 912 | 107 | 10,812 | |
| 81 | 4. Salt | | 882 5 | 892 21 | 69,087 55,500 | 852 21 | 69,087 | |
| 13 4 | 5 Piece-goods 6. Metal | 16 | 9 | 18 | 15,500 | 18 | 55 500 15,500 | |
| 20 | 7. Building materials | 123 | 6 | 129 | 1,482 | 129 | 1,482 | |
| 308 | 8. Miscellaneous . | 640 | 376 | 1 016 | 1,95,036 | 1,916 | 1,95,036 | |
| 14 | 9. Fuel . | 34 25,837 cft | 77 287 c. ft. | 111 26,121 c ft. | 1,101 | 111 26,124 c. it | 1,101 | |
| 26 raft 6 ,, | 10. Timber 11. Bamboos | 1,700 ,. | 84 ,, | 1,781 ,, | | 1,754 ,, | 23,174 | |
| 1,156 | 1 | r 5931 | 1,745 | 7,679 | ١ | 7,379 | | |
| S 32 rafts | 12 Total . | 27,537 c tt | 371 e ft | 27,908 c ft | 5,91,344 | {27,9050 H | 5,91,344 | |
| 1,122 | 13 Total of same | 5,179 | 1,661 d | 6,840 | 4,36,984 | 1 6,840 | 4 20 004 | |
| & 25 rafts | month last year | (21 5 19 c ft | 630 c ft | 22,189 c ft | 1,00,004 | [22,1890 ft] | 1,36,984 | - |
| | • . | Up | Down | Total | | | Rs. | A. 1 |
| T 420 1 | | | | | | | 200 | |
| | l number of boats ply- g cargo No. | | 286 | 1,156 | Total tolla: | ge of month- 26 | 0.041 | 9 |
| | d number of boats ply- g passenger No. | 171 | 573 | 1,047 | Total tol | age of same | With the second second | |
| 5½. Tota bos | l number of empty ats No | 713 | 751 | 1,461 | month las | t year | 6,569 | 5 (|
| | l registered tonnage, | | 3,991 | 15,804 | Mo | morandum of T | ollage. | |
| | l registered tonnage, ssenger Tons | | 2,127 | 5,029 | | | · | |
| | l registered tonnage, | | 2,798 | 5,212 | 1. Dolonos | not accovered | Rs. | A P |
| 18. Ton- | -mileage | 3,80,800 | 1,81,781 | 5,62,581 | on the | 1st of the | | K 0 |
| 19. Esti | mated value of cargo | 3,76,530 | 1,91,560 | 5,68,090 | month | | 9,00 TC 1 | .u c |
| | aber of passengers | 10,089 | 2,549 | 12,638 | 2 Tollage I | oet month | 8,843 | 9 8 |
| 21. Raft | s, bamboos c. ft | 1,700 | 84 | 1,784 | | | | |
| | " bullahs " | 25,837 | 287 | 26,124 | 3 | Total | 13,132 | 8 11 |
| 28. Estir | mated value of rafts | 22,932 | 322 | 23,251 | Add as | noted below | •6 | 0 (|
| 24. Tolla | age on boats Rs. | 5,364-6-3 | 2,985-6-9 | 8,349-13-0 | - | Total | 13,158 | 8 1 |
| 25. Com boo | pounded tollage on | | •••• | | | | ,- | |
| 26, Tolls | f. ge on raits ,, | 492-4-6 | 1-7-9 | 493-12-3 | 4. Amount treasury month | paid into during the | 7,490 1 | a 1 |
| | l tollage on bosts per | | | 0-0-2-8 | month | | 1,400 1 | |
| | rella Pie | | 1,5, | 0-0-2 0 | 5. Balance of the mo | ue at the end | 5,647 1 | 1 1 |
| State of the state | | | d the state of | 1-12-4 | or moun | /AAVAA /** | 0,021 | |
| 13.73 | The state of the s | 100 | N. C. C. C. C. C. C. C. C. C. C. C. C. C. | 1 1 | E 190 | | 1 | |

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES

| - | | | | TOTAL GOVERNMEN | T AND PRIVATE | | Ризу | TE | |
|------------------|-------------|---|----------------------|---------------------|------------------------|-------------------------|--|--------------------|---------------|
| Numi b w | | Выспітіов | | Quantity-1: ns | | Value | Quantity | Value | RES |
| | | | Up | Down | l otal | Rupies | Tons | Rujecs | REMARKS |
| | 338 | 1. Gram | 1,484 | 12 | 1,496 | 60,745 | 1,496 | 60,745 | |
| ••• | 3 | '2 Cotton 3 Orlseeds | 37 | | | 2,700 | 37 | 2,700 | |
| | 23 | 4 Salt | | 220 | 220 | 15,400 | 220 | 15,400 | |
| | 16 | 5. Piece-goods 6. Metal | ··· ••• | 23 | 23 | 14,800 | 23 3 | 14,800 680 | |
| | 2 | 7. Building materials | 4 | 1 | 5 | 25 | 5 | 25 | |
| | 702 15 | 8 Miscelianeous . 9. Fuel | 452 42 | 302 | 754 65 | 90,046 | 754 65 | 90,046 500 | |
| 12 1 | refts | 10. Timber | 42 | 1,077 c ft | 1,077 e ft | 1,050 | 1,077 o ft | 4,050 | |
| . 2 | " | 11. Bamboos | | 3,600 " | 3,600 " | 190 | 3,600 ,, | 490 | |
| 1,100 14 r | | 12. Total | 2,019 | 584 & 4,677 € ft | 2,603 & 4,677 c. ft | 1,89,136 | { 2,603 & 4,677 c It | } 1,89,436 | |
| | _ | | | | | | | | |
| 905 25 m | & afts | } 13 Total of same month last year | 1,675 d 6,630 c, ft. | 496 & 4,065 c ft | 2,171 & 10,695 c ft | } 1,36,620 | 2,171 d 10,695 cft | } 1,36,620 | |
| | | | l p | Down | Total | - | | Rs. | А. Р |
| 14. | | d number of boats ply- g cargo No | 528 | 572 | 1,100 | Total tolla 24 + 25 | ge of month + 26 | | |
| 15. | | l number of boats ply- passenger No. | 41 | 57 | 101 | Total toll month las | age of sar tyear | me 1,977 | 7 (|
| 16. | Tota car | l registered tonnage, go . Tons | 4,485 | 2,911 | 7,429 | W. | morandum of | Tullage | |
| 17. | | l registered tonnage, seenger Tons | 372 | 107 | 779 | | morantant of | 7 | |
| 18. | Ton- | mileage | 78,547 | 52,611 | 131,158 | 8 8 0 | | Rs. | A. P |
| 19. | Estir | mated value of cargo. | 92,386 | 92,510 | 1,81,896 | on t | e not recover he 1st of t | he | |
| 2 0. | Num | ber of passengers . | 830 | 1,537 | 2,367 | mont | h | 1,253 | 9 (|
| 81, [*] | Raft | s, bamboos c ft | | 3,600 | 3,600 | o m | Special Control of the Association Control of the C | | |
| 22. | Do. | ., bullahs " | ••• | 1,077 | 1,077 | 2 Tollage | per month | . 2,363 | 11 (|
| 23 | Esti | mated value of rafts . | | 4,540 | 4,540 | 9 6 | lata) | 0.015 | |
| 3 4. | Toll | age on boats Rs | 1,206-7-3 | 718-8-6 | 1 924-15-9 | 3. 1 | otal | 3,617 | 4 (|
| 25 | | apounded tollage on Rs. | 167-10-6 | 201-10-3 | 369-4-9 | | ury during t | STORUGE CONTRACTOR | |
| 2 6. | Toll | age on rafts " | | 69-6-9 | 69-6-9 | mont | ш | 2,314 | 7 (|
| 27 | Tota | al tollage on boats per n-nule | • | | 0-2-8 | | | wit shirt | -1 |
| 28. ' | Total 10 | tollage on rafts per 0 cubic feet | ****** | ••••• | 1-7-9 | 5. Balance | e due at to | the 1,302 | 18, 8 |

SONE CIRCLE. PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 864 MILES.

| | | | TOTAL GOVERNMEN | T AND PRIVATE. | , | Priv | ATR. | | |
|--------------------------------|--|----------|---|--|---------------------------|-------------|---------------------|------|-----|
| umber of boats or rafts. | DESCRIPTION. | | Quantity-Tons. | at the same of the | Value. | Quantity, | . Yalue. | | , i |
| | | Up. | Down. | Total. | Rupers. | Tons. | Rupeos. |] | REE |
| | | , | 0 | 10 | 900 | | | | |
| 1 | 1. Grain 2. Cotton | 1 | 9 | 10 | 290 | 10 | 290 | | |
| 5 | 3. Oilseeds | | 59 | 59 | 4,831 | 59 | 4,831 | | |
| 5 | 4. Salt | 82 | | 82 | 5,615 | 82 | 5,618 | | |
| 32 | 5. Piece-goods | 141 | 109 | 250 | 34,860 | 250 | 34,860 | | |
| | 6. Metal | 11 | $\begin{array}{c c} 2 \\ 789 \end{array}$ | 13 789 | 4,167 1,177 | 13 71 | $\frac{4,167}{384}$ | | |
| 93 53 | 7. Building materials 8. Miscellaneous | 57 | 279 | 336 | 42,653 | 332 | 42,35 | | |
| 6 | 9. Fuel | | 231 | 231 | 410 | 231 | 410 | | |
| afts } | 10. Timber | | 57 | 57 | 400 | 57 | 400 | | |
| t | 11. Bamboos | 1 | 143 | 144 | 2,238 | 144 | 2,238 | | |
| 189 | 12. Total | 293 | 1,678 | 1,971 | 96,641 | 1,249 | 95,54 | 3 | |
| 127 | 13. Total of same | | | | 1 | | | ÷ | |
| | month last year | 857 | 1,473 | 1,830 | 1,70,199 | 1,803 | 1,69,99 |) | |
| | | Up. | Down. | Total. | | 10.000 | İ | 5. | ۵. |
| | | • | | | 77 . 1 . 1 | 200 (200 | | | |
| | number of boats ply- | 34 | 155 | 189 | Total tollag | go of montl | | 10.1 | 0 |
| Total | cargo No. number of boats ply- | 01 | 100 | 109 | 24 + 20 | + 20 | 1,2 | 19 1 | z |
| | passenger No. | 8 | 4 | 12 | | | 1 | | |
| . Tota | number of empty | 19 | 109 | 128 | Tetal tolla month last | | me 1,7 | 9 1 | 3 |
| carg | registered tonnage, Tons | 451 | 2,077 | 2,528 | | | | | _ |
| pass | registered tonnage, enger Tons I registered tonnage, | 139 | 108 | 247 | Mo | norandum g | f Tollage | i. | |
| | pty boats Tons | 497 | 26 | 523 | | | 1 8 | | |
| Ton-n | nileage | 48,304 | 1,04,616 | 1,52,920 | | | В | i. 1 | . 1 |
| Estim | nated value of cargo Rs. | 43,833 | 49,760 | 93,593 | | not recover | | | 4 |
| Numl | per of passengers No. | 416 | 301 | 717 | month | | 24 | 3 0 | |
| 891. 8 | , bamboos ,, | 60 | 21,503 | 21,563 | 2. Tollage | per mouth | 1,24 | 12 | ; |
| | bullahs " | | 21,563 | 21,563 | | | | | |
| _ | nated value of rafts Rs. | 12 | 5,036 | 3,048 | 3. | Total | 1,49 | 2 12 | 1 |
| | ge on boats ,, | 348-12-6 | 596-12-3 | 945-8-9 | | | - | | |
| boat | ounded tollage on Rs. | 75-0-0 | 75-0-0 | 150-0-0 | 4. Amount | credited | in | | |
| Tollag | ge ou rafts " | 0 0 6 | 154-2-9 | 154-3-3 | | counts of t | (T) | 2 14 | |
| Total top. | tollage on boats per | | | 0-0-1-3 | | | | - 53 | |
| Total 190 | tollage on rafts per subic feet | 131100 | <i>,,,,,</i> | 0-5-8 | 5. Balance of the r | | |) 7 | |

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

| | | 7 | OTAL GOVERNMENT | AND PRIVATE. | | PRIVA | 1E. | |
|------------------------------|---|----------|-----------------|--------------|-----------------------------|--|--|---|
| Number of boats or rafts. | DESCRIPTION. | | Quantity- Tons. | | Value. | Quantity. | Value. | RRMARES, |
| , | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | BBK |
| 5. | 1. Grain | 19 | 5 | 24 | 1,300 | 24 | 1,300 | |
| 1 | 0 0.44 | 14 | 1 | 15 | 13,040 | 15 | 13,040 | |
| 23 | 9 A:11- | | 154 | 154 | 15,674 | 154 | 15,674 | |
| 17 | 1 9-14 | 239 | | 239 | 19,280 | 239 | 19,280 | |
| 6 | 5 Diago macda | 55 | 5 | 60 | 50,230 | 60 | 50,230 | |
| ì | 6. Metal | 4 | 1 | 5 | 230 | 1 | 130 | |
| 41 | 7. Building materials | 14 | 329 | 343 | 2,579 | 99 | 2,504 | |
| 29 | 8. Miscellaneous | 124 | 105 | 229 | 25,453 | 189 | 25,422 | |
| \ 1 | 9. Fuel | | 21 | 21 | 300 | 21 | 300 | |
| | 10. Timber | 1 | 1 | 2 | 314 | 2 | 314 | |
| | 11. Firewood | | 489 | 489 | 1,727 | 489 | 1,727 | l |
| Rafts | Bullahs | | 115 | 115 | 372 | 115 | 372 | |
| (| Bamboos | | 87 | 87 | 1,357 | 87 | 1,357 | |
| 124 | 12. Total | 470 | 1,313 | 1,783 | 1,31,856 | 1,495 | 1,31,650 | |
| 146 | 13. Total of same | | 52 NOVE 1 | 1 800 | 00.100 | 1 | | |
| | month last year | 317 | 1,440 | 1,757 | 96,126 | 1,599 | 95,943 | |
| | 1 | Up | Down. | Total. | , | | | |
| 4 Total | number of boats ply- | | | | V. | | Rs. | . A. I |
| in | g cargo No. | 43 | 81 | 124 | Total toling 24 + 25 | e of month + 26 | 1.063 | 1 |
| | number of boats ply- g passenger No. | 4 | 5 | 9 | | | | |
| 51 Tota | al number of empty | | | | Total toll | age of san | me | |
| be be | ats No. | 68 | 8 | 76 | month las | t year | 889 | 0 |
| | registered tomage, | C10 | 931 | 1,549 | | | | |
| ca 7. Total | registered tonnage. | 618 | | 3378 | М | emorandum oj | f Tollage. | |
| par par | ssenger Tous | 88 | 70 | 158 | | | | |
| 71. Tota | nl* registered tonnage, | 197 | 22 | 219 | | | Re | . А. 1 |
| 8. Ton-r | - 1 | 41,726 | 34,210 | 75,936 | 768 - 226 U.S | | | |
| | | 88,094 | 40,306 | 1,28,400 | | not recover | red | |
| 1 | nated value of cargo Rs. | 2/ | 881 | 2,018 | month | | | 6 |
| | ber of passengers No. | 1,137 | | | 0 (0.11. | | 1 600 | |
| 1. Rafts | s, hamboos " | | 13,100 | 13,100 | 2. Tollage | per month | 1,063 | 1 |
| 2. (Do., | bullahs " | ••••• | 8,650 | 8,650 | T. | | | |
| (Do, | firewood ,, | | 36,725 | 36,725 | | | | |
| 3. Estin | nated value of rafts Rs. | ••••• | 3,456 | 3,456 | 3. | Total | 1,183 | 8 |
| 4. Tolla | ige on boats ,, | 241-0-9 | 241-1-0 | 482-1-9 | | 2004 | -,2.70 | Sec. |
| | pounded tollage on Rs. | 229-12-0 | 229-12-2 | 459-8-2 | 4. Amount the a month | coounts of | 1 110 | α 1 |
| 6. To lla | ige on rafts ,, | | 121-7-6 | 121-7-6 | month. | : MOD) | 1118 | |
| w m | TON S OF BERLESS | 3. | | | | 65 | | 1.5 |
| | l tollage on boats per | | | 0-0-2:38 | | | V | The state of |
| to | n-mile | •••• | ••••• | U=U-2'00 | 5 Ralance | due at the e | md . | 11.15 |
| | 1 4 11 | ł | 1 | | of the | | | |
| | l tollage on rafts per | | | 0-8-3 | OT NITO | WORKS. | | |
| | ou cubic reet | | | 0-0-0 | 1 | THE RESERVE THE PARTY OF THE PA | THE RESERVE OF THE PARTY OF THE | 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

| | | To | OTAL GOVERNMENT A | ND PRIVATE. | | PRIVA | ATE. | | | |
|-------------------|--|--------|-------------------|-------------|-------------|-------------|---------------|------------|---------|---|
| umber of boots | Description. | | Quantity -Tons. | - | Value, | Quantity. | Value. | t l | ARKS, | |
| r rafts. | | Up. | Down, | Total. | Rupees. | Tors, | Rupeos, | 1 | BEKARKS | |
| | 1. Grain | 1 | | 1 | 100 | 1 | 100 | T | Ñ | |
| | 2. Cotton 3. Oilseeds | 13 | 55 | 67 | 9,572 | 67 | 9,572 | | | |
| | 4. Salt | 2 | | 3 | 4,500 | 3 | 4,500 | i | | |
| | 5. Piece-goods | | | 82 | 2,825 | | •••·· | | | |
| 5 12 | 7. Building materials 8. Miscellaneous | 11 | 82 | 122 | 11,556 | 123 123 | 350 11,550 | | | |
| , | 9. Fuel 10. Timber | | 134 | 134 | 2,303 | 134 | 2,30 | } | | |
| Rafts { | 11. Bamboos | | 55 | 55 | 982 | 55 | 98 | | | |
| 7 | | | į | | | | | . | | |
| | | | | | | | | 7 | | |
| 22 | 12. Total | 26 | 438 | 464 | 31,838 | 101 | 29,36 | 3 | | |
| 46 | 13. Total of same month last year | 75 | 790 | 865 | 85,699 | 772 | 82,57 | 4 | | |
| | | • Up. | Down. | Total. | | | | <u> </u> | = | - |
| | | | | | | | R | s. | ۸. | |
| I. Tota | l number of hoats ply- g cargo No. | 3 | 19 | 22 | Total tolla | ge of mont | h | | | |
| 5. Tota | l number of boats ply- g passenger No. | 8 | 9 | · 17 | 24 + 25 | + 26 | 37 | 77 | 8 | |
| 5]. Tot | al number of emity | 7 | | 7 | | | 1 | | | |
| 6. Tota | oats No. l l registered tonnage, rrgo Tons | 33 | 515 | 548 | Total toll | | 45 | 17 | 5 | |
| *** | l registered tonnage, assenger Tons | 216 | 243 | 459 | | · (company) | | | _ | _ |
| 71. Tot | al registered tonnago, mpty Tons | 21 | | 21 | , A | Icmorandum | of Tollage | | | |
| | -mileage ··· | 2,024 | 12,886 | 14,910 | | | | | | |
| . Esti | mated value of cargo Rs. | 3,829 | 24,724 | 28,553 | | | R | 5 , | | |
| . Nun | nber of passengers No. | 5911 | 668 | 1,259 | 1. Balance | not recove | | | | |
| | ts, bamboos c. ft. | | 8,187 | 8,187 | mont | | | 26 | 5 | |
| | ., bullahs ,, | | 10,057 | 10,057 | | 62 | 200 | | 100 | |
| | mated value of rafts Rs. | | 3,285 | 3,285 | 2. Tollage | per month | 37 | 77 ~ | 8 | |
| | age on boats ,, | 18-4-9 | 77-4-9 | 95-9-6 | 3, | Total | 40 | 03 1 | 13 | |
| . Con | npounded tollage on Rs. | 75-0-0 | 139-14-1 | 214-14-1 | | | | W. 150.1 | i d | |
| 1.5 | | | 67-1-3 | 67-1-3 | | t credited | in the | | | |
| | lage on rafts ,, | | VI-2-0 | 11 | mont | | | 73 | 10 | |
| · Tota | al tollage on boats per on-mile | ••••• | | 0-0-4 | | | | - | k: • | ě |
| 12 | VALUE OF A SALE OF THE SALE OF | La | 1 | | l - n 1 | due at the | | | | |

ABSTRACT FOR THE MONTH OF NOVEMBER 1887, AS COMPARED WITH THE CORRESPONDIN MONTH OF THE PREVIOUS YEAR.

| | - | -,- | | | |
|-----------------------------|-------------------|---------------------|----------------|----------------------|----------|
| | TIALLE | 1555 55 | TRAFFIC | 1446-87 | |
| CANAL. | | THE STREET | | To end of the month. | Bruarus. |
| | During the more h | To end of the monch | Du mg 'l mon'h | 10 ma of the month. | |
| 1 | | | | | |
| Orissa Circle. | Rs A. P | Rs A P. | Rs. A. P. | Rb. A. P. | |
| Taldunda Canal System | 233 0 6 | 2,851 7 6 | 27 9 9 | 1,500 11 4 | |
| Kendrapara Canal System | 3,578 6 5 | 25,103 9 1 | 2,176 11 2 | 21,969 11 1 | |
| High Level, Range I | 618 14 3 | 4,112 5 6 | 564) 6 | 1,171 14 6 | |
| 13.11.1 TT | 313 9 9 1 | 2,19, 8 3 | 215 9 6 | 2,117 4 9 | |
| Ditto, " 11 Ditto, " 111 | 66 11 6 | 7:1 11 6 | 69 14 9 | 1,063 8 3 | |
| ,, 111 | | | | | |
| " Total Orissa Cuch | 5,125 10 8 | 5,616 9 10 | 3,354 5 8 | 31 353 1 11 | |
| | | | | | |
| South-Western Cricle. | Į. | 1 | | | |
| | | | 1 | | |
| Midnapore Canal . | 5511 9 34 | 74,444 10 3 | 6.569 5 0 | 74,115 8 8 | |
| Hidgellee Tidal Canal | 2 36 > 11 -> 1 | 36,958 9 6 1 | 1,977 7 0 | 38,605 14 9 | |
| | | | | - | |
| Total South-Western Circle | 11,207 - 1 - 6 + | 1,15,817 3 9 | 5, 16 12 0 | 1,12721 7 0 | |
| e | | | | | |
| Sone Circle. | | | | 1 | |
| | | | case as a r | 1 | |
| Patna Canal System | 1,219 12 0 | 17,151 2 0 | 1,779 13 3 | 14,807 1 3 | |
| Arrah ditto | 1,063 1 5 | 10,147 15 3 | 859 0 9 | 12,613 14 4 | |
| Buxar ditto . | 377 8 10 | 4,951 3 8 | 437 5 6 | 5,080 4 4 | |
| Total Sone Circle | 2,690 6 3 | 32, 56 4 11 | 3,106 3 9 | 32,501 3 11 | |
| GRAND TOTAL | 19,023 5 5 | 1,51,020 2 6 | 15,007 5+ 5 | 1,79,575 12 10 | |
| | 1 | | | - | |

GOVERNMENT TRANSPORT SERVICE.

| r= | w | | | | | | | | | | | | | | - • |
|---------------------|--------------|---------------|---------|--------|-----------|----------|----------------|--------|---------|---------|-----|----------------|-------------|-----------|--------|
| | 1 | TRAILE | 1557 85 | | | | | | | LAF | PIL | 1656 67 | | | |
| * | - | | 7 | | | | | | | - | | | 17 | | |
| CAHAL | Dor no ch | em nth | 1 | a l fi | he mentl | - | 1 | man th | month | | | T | o end of th | he month | |
| | Pass n Greds | letal recepts | Pis i | Cords | Total 1 | e cripts | Passon gers | Grods | Total : | rur egg | pts | Passen gors | Goods | Total rec | respts |
| | 1 201 | | | N. I | - ,, | | ` | | | ~ | - | Ī., | | | • |
| Orissa Circle | No Mils | Rs A P | No | Mila | Rs. | A P | No. | Mds. | Rs. | A. | P | No. | Mds. | Ls. | A. ? |
| High Level | 256 451 | 290 6 11 | 2,503 | 1726 | 3,111 | 14 5 | 495 | 132 | 415 | 2 | 1 | €,730 | 12,411 | 7,536 | 6 |
| Total Orissa Circle | 256 , 151 | 210 6 11 | 2 503 | 3,734 | 3,111 | 14 5 | 195 | 132 | 115 | 2 | 1 | 6,730 | 12,411 | 7,536 | 6 (|
| _ ** | | | , | | 1 | | | | | | | | - | - | - |

TOTAL NAVIGATION RECEIPTS.

| | | | 100 | | 185" 85 | | 7 | | | | | | | · m - m to T |
|-----------------------|-------|------------|-------|--------|---------------|-----|-----|--------------|------|--------|---------------|-------|-----|--------------|
| CANAL | | | 1.3 | HAINER | 185 85 | | - 1 | | LAR | NIWIS, | 1486-87 | | 1 | 21 58 |
| CANAI | ł | During the | montl | ı | To end of the | mon | th | During the m | onth | - | To end of the | month | | RHWARKS |
| | - | Rs | ۸. | P. | ks | A. | P. | Rs. | A | Р. | Rs. | Δ. | P. | |
| Orissa Canals | | 5,416 | 1 | 7 | 38,758 | 8 | 3 | 3,799 | 7 | 9 | 41,889 | 7 1 | n l | |
| Midnapore Canal | | 8513 | 9 | 3 | 78,848 | 10 | 3 | 6,569 | 5 | 0 | 74,115 | | 3 | |
| Hidgellee Tidal Canal | | - 2,363 | 11 | 3 | 36,958 | | | 1,977 | 7 | 0 | 38,605 | | 9 | |
| Sone Canals | | 2,690 | 6 | 3 | 32,556 | 4 | 11 | 3,106 | 3 | 9 | 32,501 | 3 1 | - | |
| Total | | 19,313 | 12 | 4 | 1,87,162 | 0 | 11 | 15,452 | 7 | 6 | 1,87,112 | 2 | 10 | |
| | _ , 1 | | | | | | | | | | | | 1 | Li. |

A. D. McARTHUR, MAJOR, R.R. Under-Secu. to the Goot. at Bineak

CALCUTTA, The 24th January 1888.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS

Statement showing Quantities of Goods carried during the month of November 1887.

| | | 1_ | Tora Covern | IFNI AND PRIVATE | | LIVAG | - | - |
|------------------------|---------------------------------------|-------------------|--------------|-------------------------|----------------------------|--------------------------------|---------------------------|---------------|
| Number of be its or | Drschii tion | | Quantity Fon | _ | Value | Or ntity | \ sluo | 122 |
| r.dt* | | Up | D mn | Lital | Rujces | - l ₋ | Lups os | REMABRE |
| 676 | 1. Grain 2. Cotton 3. Oilseeds | 8,415 353 | | 8,118 | 6,12,245 | 5,115 | 6,12,245 | |
| 511 | 1 Salt . | 520 | 5,292 | 355 8,819 | 17,550 7,10,205 | 358 5,512 | 47,550 7,10,205 | ċ |
| 4 | 5. Picce-goods . 6 Metal | | 161 | | 25 200 | 193 | 0.000 | 11 P44 |
| 105 3,454 | 7. Building material 8 Miscellaneous | | 189 | 1,910 | 26,159 | i 910 | 25,200 26,4 5 9 | |
| 697 | 9. Fuel | 10,685 | 734 1,151 | 33 916 14,836 | 34,75,309 | 33,916 11,536 | 34,75,308 1,29,233 | |
| 3 rafts | 10. Timber 11. Bamboos | 60 c ft | ···. | 60 c 1t | 7 | 60 c ft. | 7 | . F : d |
| 5,480 d 3 rafts | 12. Total . | 51 968 60 e ft |] 13,535 { | 65 503 & } 60 c ft } | 50,56,207 | \$ 60.503 & 60 c. ft | 50,56,207 | |
| 4,315 & | 13. Total of same | 44,511 | 1 10 | 51,663) | | (54 66 1 | , | |
| 8 rafts | month last year | 1 561 No | 10,1522 | 1,561 No | 35,69,561 | 1,561 No | 35,69,561 | |
| | | • 11 | Down | I til | | <u> </u> | Rs. A | . P |
| 14 Total | number of boats plying | 4,710 | 770 | 5,180 | Total toll 19 24 + 25 + | ge of month- | 10 440 7 | 5 0 |
| 14a. Ditte | o empty ,, | 1,541 | 1,085 | 2,929 | m . 1. n | v v | | |
| | number of boats plying ssenger No. | 210 | 3 | 213 | last y ar | of same mont | | 8 6 |
| CUI | | 141,801 | 39,564 | 184,365 | М. л. | noran lum of I | ollage | - |
| | registered tonnage, ssenger Tons. | 698 | 22 | 720 | - | | 1 | - |
| 18. Ton-n | nilenge . | 1,321,155 | 395,860 | 1,720,015 | | | Rs. A. | P. |
| 19. Estim | ated value of cargo Rs | 42,05,763 | 8,50,437 | 50,56,-900 | | otreesered or tolythe month | | l 6 |
| 20. Numb | per of passengers No. | 854 | 30 | 911 | | | 1 | |
| 21. Rafts, | | -60 | | 60 | 2. Tollage p | er month . | 12,440 1 | 5 0 |
| 22. Do., | bullahs " | | ••••• | | | | 1 | |
| 23. Estim | ated value of rafts Rs. | 7 | | 7 | 3. | Total | 43,781 |) () |
| 24. Tollag | ge on boats " | 32,741-4 6 | 9 698-14-6 | 12,110-3 0 | | | | |
| boa | | | | | 4 Amont p | ud into tres- | | |
| v. Tollag | e on rafts " | , 0- 2-0 | .] | 0-12-0 | Bionth | | 42,151 | , 0 |
| 7. Total | tollage on boats per- | | | 0-0 173 | | | | |
| 8. Total | tollage on rafts per subjected Ra | | | | 5. Balance d | ne at the erd | 1 | |
| ■ 3.4X b | 18 217.7 1 . | , | | | VA IMIO | month | 1,582 8 | 6 |

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTIA AND EASTERN CANALS.

| | | * = 1 | | (T)). | - 1 | - | |
|-----------|-----------------------|----------|------------------------|---------------|-----------|--------------|-----------|
| umber of | | | TOTAL GOVERNMEN | I AND PRIVATE | - l | Par | Value |
| rafta | Description | - | Quantity = T is - Down | Lofal | Rupers | Tons | Rupres |
| 1,314 | (a) Jute | 27,429 | | 27,436 | 26,58,675 | 27,436 | 26,88,675 |
| 66 | (b) Jaggery | 444 | 12 | 456 | 51,100 | 156 | 51,100 |
| 17 | (c) Sugar | . 112 | | 112 | 22,050 | 112 | 22,050 |
| 6 | (d) Tobacco | 11 | 10 | 21 | 4,025 | 21 | 4,025 |
| 1,055 | (e) Fish | 151 | | 151 | 42,257 | 151 | 42,257 |
| 9 | (f) Hides | 24 | | 24 | 5,410 | 21 | 5,410 |
| 30 | (g) Poultry . | 7 | | 7 | 6,981 | 7 | 5,981 |
| 64 | (h) Hay and straw | 356 | | 356 | 7,476 | 356 | 7,476 |
| 59 | (j) Oils | | 631 | 634 | 68,760 | 634 | 88,700 |
| 40 | (A) Earthenware | 92 | | 92 | 1,287 | 99 | 1,287 |
| 794 | (m) Other miscellaneo | us 4,586 | 71 | 4,657 | 5,58,287 | 4,657 | 5,58,287 |
| 3,454 | Total Miscellaneous | 33,212 | 731 | 33,946 | 31,75,308 | 33,946 | 31,71,308 |

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the month of November 1887.

| | | | | OTAL GOVERNMENT | AND PRIVATE. | | PRIVAT | E. | - | |
|---------------------------|--|--------------|---|-----------------------|-----------------------|-----------|---------------------------|--------------|-------------------------|--------------------------|
| number of boats or rafts. | DESCRIPTION. | | | Quantity-Tons. | | Value, | Quantity, | Value | | RKS. |
| | | | Up. | Down. | Total. | Rup(es, | Tons, | Rupeer | ., | REMARKS |
| 2,258 | 1. Grain | | 10,050 | | 10,050 | 6,22,710 | 10,050 | 6,22 | ,710 | |
| 4 | 2. Cotton | . | 25 | | 25 | 13,300 | 25 | | ,300 | |
| 13 | 3. Oilseeds | • | 248 | | 248 | 34,750 | 248 | 34 | ,750 | |
| 78 | 4. Salt | | 527 | 439 | 966 | 81,150 | 966 | | ,150 | |
| | 5. Piece-goods | ٠١ | | | *** | ••••• | | | T | Car detail one next Page |
| | 6. Metal | 0.000 | 0.021 | 9 | 2,840 | 10,952 | 2,810 | 2.13 | | 120 |
| 339 | 7. Building materia 8. Miscellaneous* | | 2,831 5,975 | 101 | 6,076 | 6,90,492 | | January 1971 | 0,952 0 ,4 92 | |
| 7,285 | 0 Fuel | | 2,970 | 4 | 2,974 | 26,742 | | | 6,742 | - |
| 29 8 5 rafts | 10. Timber | | 2,030 c. ft. | 2,400 c. ft. | 4,430 c. ft. | | 4,480 c. ft. | | 7,680 | 1 |
| l " | 11. Bamboos | | 1,552 ,, | | 1,552 ,, | | 1,552 ,, | • | 194 | |
| ,270 & 6 safts. | 12. Total | | 22,626 & 3,582 c. ft. | 553 & 2,400 c. ft. | 23,179 & 5,982 c. ft. | 14,97,970 | { 23.179 & 5,982 c.ft | } 14,9 | 7,970 | |
| ,690 & rafts. | 13. Total of sam month last year | | 12,702 & 444 No. | } 688 | { 13,390 & 444 No. | 7,31,884 | 13,390 & 444 No. | } 7, | 31,884 | |
| | | | Up. | Down. | Total. | | | | Rs. | ۸. |
| | | | | | | Total tol | lage of mor | ıth- | 10.71 | *** |
| . Total | number of boats ply | ing | | | | 24 + 2 | | | 12,280 | |
| | | No. | 4,192 | 78 | 4,270 | | | | | |
| | o empty | ,, | 2,072 | 390 | 2,462 | ļ | The same and | 1 | | |
| | number of boats ply | ing No. | 471 | 23 | 494 | | ollage of ast year | same | 8,633 | |
| . m . 1 | 1 | | | | | - | | | | |
| | l registered tonus | ons. | 67,792 | 3,900 | 71,692 | | | | | |
| Ça | rgo To | ,,,,,, | 01,102 | , 0,,,,,, | 11,000 | | Memorandum | of Tol | lage. | |
| | l registered tonnage, | pas- ons. | 1,065 | 85 | 1,150 | | | | | |
| | - | 0115. | | | | | | 1 | Rs. | ٨. |
| | mileage | | 627,535 | | | | | 1 | | |
| 9. Estin | nated value of cargo | Rs. | 14,32,390 | 47,700 | 14,80,096 | | ce not reco the 1st o | | | |
| 0. Nun | iber of passengers | No. | 3,123 | 110 | 3,239 | | onth | | 505 | 1: |
| l. Raft | es, bamboos c. | . ft. | 1,552 | | 1,552 | 0 10 11 | ge per month | | 12,280 | * |
| 2. Do | o., bullahs | ,, | 2,030 | 2,400 | 4,430 | | se Lea moniu | | .~,400 | |
| 3. Estin | mated value of rafts | Rs. | 16,674 | 1,200 | 17,874 | | | | 13 701 | 1 |
| 4. Tolk | age on boats | ,, | 11,249-7-0 | 976-13-6 | 12,226-5-0 | S. | ा लागा | | 4.780 | L |
| 5. Com b | pounded tollage | on Rs. | | | | | ount paid isury during | | | |
| 6. Toll | age on rafts | ,, | 42-8-0 | 11-4-0 | 53-12-0 | 10 | nth . | | 12,306 | |
| 7. Tote | al tollage on boats per | ton- | • | | 0.0.3.39 | | | ŀ | | |
| | a tollage on rafts per atio feet | 100 Re. | | | 0-14-4 | | ce due at the | e end | 479 |) |

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

| | | | | | TOTAL GOVERNMENT | AND PRIVATE | 1 | PRIVA | TE | |
|--------------------------------|---------|-------------------|---------|-------|------------------|-------------|----------|----------|----------|---|
| Number of boats or rafts | 1 | DESCRIPTION | | | Quantity-Tons | | Value | Quantity | Value. | |
| | | | | l p | Down | Total ' | Rupevs | Tons | Rupees | |
| 15 | (a) J | uto | | 91 | ···· · | 91 | 8,890 | 91 | 8,890 | |
| 102; | (b) J | aggery | | 595 | | 595 | 66,600 | 595 | 66,600 | 1 |
| | (c) 8 | ugar | ••• | | | | | 2. | ****** | |
| 9 | (d) T | obacco | | 61 | 3 | 64 | 12,425 | 61 | 12,425 | |
| 159 | (e) F | ish | | 15 | 1 | 16 | 4,653 | 16 | 4,653 | |
| 1 | (f) B | lide s | | 6 | 1 | 6 | 1,400 | 6 | 1,400 | |
| 12 | (g) P | oultry | | 3 | | 3 | 1,222 | 3 | 1,222 | 1 |
| 452 | (h) H | ay and st | traw . | 1,297 | | 1,297 | 27,210 | 1,297 | 27,240 | |
| 47 | (j) O | ils | | 354 | 25 | 379 | 53,125 | 379 | 53,125 | |
| 1,04 | (k) E | arthenwa | ıro . | 129 | 19 | 148 | 2,070 | 148 | 2,070 | |
| 384 · | (m) C | other mi neous | scella- | 3,424 | 53 | 3,477 | 5,12,867 | 3,477 | 5,12,867 | |
| 1,285 | Total M | liscellane | ous | 5,975 | 101 | 6,076 | 6,96,492 | 6,076 | 6,90,492 | |

ABSTRACT FOR THE MONTH OF NOVEMBER 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| | | CBAPPIC | , 1887 88, | 2220 | - 1 | | TR | APPIC | 7, 1886-87. | | |
|-----------------------------|----------------|---------|---------------|------|-----|--------------|-------|-------|-----------------|------|----|
| | During the mon | th | To end of the | mont | h. | During the n | nontl | h | To end of the | mont | h. |
| | Rs. A | . Р. | Rs. | ۸. | Р. | Rs | Ą | P. | Rs | A. | P |
| Calcutta and Eastern Canals | 42,440 15 | 0 | 2,15,245 | 2 | 3 | 32,816 | 8 | 6 | 1,82,096 | 3 | 3 |
| Telly's Nullah | 12,280 | l 0 | 76,616 | 11 | 3 | 8,633 | 7 | 6 | 5 6,6 68 | 10 | 3 |
| Total | 54,721 | 0 0 | 2,91,561 | 13 | 6 | 41,450 | 0 | 0 | 2,39,764 | 18 | 6 |

CAICUTIA,

The 24th January 1888.

A. D. McARTHUR, Major, RE.

Under-Secretary to the Government of Bengal.

CIRCULAR AND EASTERN CANALS.

approximate Return of Traffic for the week ending Saturday, the 21st January 1888, as compared with the corresponding week of the previous year.

| - | | | TING SATER | | | DING SATURI |)AY, THE 1887. |
|--|-----------|--------------------------------|--|----------------------------------|----------------------------|--|--|
| | OF CARGO. | Number of boats. | Weight of cargo | Tollage. | Number of bouts. | Weight of cargo. | Tollage, |
| | | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy Jute Firewood Other articles | | 1,851 137 142 839 | 4,43,486 95,27 5 80,035 1,75,962 | 7,952 1,666 1,178 2,820 | 1,543 123 120 841 | 2,91,570 81,950 82,900 2,15,960 | 5,5 79 1,3 73 1,165 3,805 |
| | Total | 2,969 | 7,94,758 | 13,616 | 2,630 | 6,72,380 | 11,982 |

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 1,5131 miles oven

---- 1

| 1 | COACHING | TRAFFIC | MERCHANDISE TRAI | | | Total | TRAFFIC | TRAIN MILER |
|--|----------------------|----------------|---------------------|--------------------------|-------------------------------|-------------------------|-----------|---------------|
| | Number of passengers | Conch ig | Weight carried, | Receipts | Other earnings (estimated) | earminks | (osching | Merchan lot |
| | | Rs A P | Mos s | Ra A L | Rs A P | RIAT | | |
| Pota) traffic for the week | 289 6_3* | 31193 1 1 | 29,82 155 10 | 1 78 '11 7 9 415 0 11 | | 10 1/ 3/ 1/9 192 0 5 | | 107 77 34 171 |
| Aced | 290 279 | -70 (71 11 0 | 25 15 548 10 | 6 1 7 5 12 0 | 21 207 14 9 | 912718 5 0 | 64 2124 | 100 880 171 |
| Total for 2 weeks | 715 102 | 6 .0 027 1' 0 | 67 97 703 20 | 131107 3 | 40 256 O t | 20 10 201 8 9 | 127 6823 | 211 0531 342 |
| COMPARISON. | | | | | | | | |
| Total for corresponding week of previous year Parmile of railway corresponding | 2002 | 2,45 St a 0 10 | 25,10,169 10 | 0 10 (11 0 0 | | 9 (P4 *2) 7 4 | 6/ 812 | 110 5 7 177 |
| week of previous year lotal to corresponding date of previous year | H5 5524 | 5,07,117 12 6 | 1 | 120 13 2 | 11 4 6 | 100 5 7 | 110 001 | 211 510 17 |

[.] The increase a Coaching traffic is principally due to the Combh Mèla at Allahabad

Approximate Statement of gross receipts of the Fast Indian Railway, prepared in accordance with Public Works Department Circular No AAI Railway, dated 23rd July 1883

| | IS POR WREK I JANIARY 1 | | | TREATURE WIFE | | | 1 BECEIPTS PRO 1881 TO 15TH J. 1887 | | TOTAL APRIL 1 | L RECPIPTS PRO 887 1 : HILL J. 1888 | DM 137 | Total | Lothi |
|---------------------------|----------------------------|-----|---------------------------|---------------|-----------------------|-------|---|-----|---------------------------|---|--------------------------------------|-------|----------------------|
| Mean mileago worked | Receipts. | | Ween m leage worked | Receipts | Por mile worked | | t Total receipts | | Mean milenge worked | Potal recorpts | Per mile worked per we k | 1448 | dei rensi in 1888 |
| 7 | 🍂 Rs. | Re | | Ra | Rs. | | Rs | Rs | | Rs | Rs | Rs | Rs |
| 1,515 | 9, 00 526 | 600 | 1 51 32 | 10,4~ 5 13 | 1 (2 | 1 515 | 3 6_ 51 85 | 741 | 1 517 } , | 3 54, 17 971 | -0 | | ► 33 H78 |

PAINA-GYA SIATE RAILWAY

Approximate Return of Traffic for neck ended 14th January 1888, on 57 miles open

| | | | | 1. | | 1 | | 1 | | |
|--|-----------------------|-------------------|------------|----------------------|--------------|-------------------------------|------------------------|----------|----------------|--------|
| | COACHING | TRAFFIC | | MERCHANI ISE | FPIC MISERAL | D | 122000000 | TRAFFIC | TRAIN-MILI | B4 KLN |
| | Number of passe ngers | t achu receipt | | Weight carried | 1 | Other earnings (estimated) | Total earnings | Conching | Verchan ame | 1 otal |
| | | Rs | A P | Mos s | Its A I | Bu a 1 | K4 A P | ĺ | - ' | - |
| Total traffic for the week Or per mile of railway | 13 (50 | 7 (61 123 | 1 0 7 2 | 36 044 10 6 30 10 | | 23 5 0 0 6 6 | 9 119 8 0 15 / 6 11 | 1 ,73 | 621 | 2 394 |
| For previous 1 week of half year | 12 ' 87 | 6 591 | 5 0 | 30 415 30 | 1 837 2 0 | 30 14 0 | 8,519 5 0 | 1 752 | 642 | 2,394 |
| Total for 2 weeks | 26 567 | 15 65 2 | 0 6 | 66 460 0 | 3,932 1 0 | 51 1 0 | 17 638 13 0 | 5 525 | 1 263 | 4,788 |
| COMPARISON | | | | | | | | | | |
| Total for corresponding we k of previous year Per mile of railway correspond | 10 7974 | 6 25 | 7 7 | 3" 17" W | 2 565 14 0 | 37 9 0 | 1 454 14 7 | 1,716 | K56 | 2,57 |
| ing week of prevous y at | 189 | 91 | 13 3 | 100 (| 44 15 7 | 0 10 6 | 137 6 4 | | | 1 |
| Total to exresponding date of previous 5 ar | 23,90% | 11 611 | 3 11 | N5 550 10 | 5,978 1 0 | 78 0 3 | 17,667 5 2 | 3,627 | 1,681 | 5,308 |

| Total | Total | | RECRIPTS PHO RII 1887 TO 14 JANUARY 1888 | A | M 18T | RECEIPTS PRO BIL 1886 TO 17 JANUARY 1887 | AF | | RECEIPTS FOR WPPE RADING RECEIPTS FOR WERE 15TH JANUARY 1887 | | | RECEIPT 15cu | |
|----------------------|---------------------|-------------------------------------|--|----------------|---------------------------|--|----------|---------------------------|--|----------|---------------------------|-----------------|-----|
| dearesme (| licrease in 1888 | mile Mean mileage worked worked per | | Total receipts | Mean mileage worked | | Receipts | Mran milenze worked | Per m le worked | Receipts | Mean mileage worked | | |
| R 4 24,800 | | Rs 160 | Rs 3,95,460 | 671 | Ra 179 | Rs. \$ 20,293 | 67} | Rs 159 | Ra 9 120 | 571 | Rs 197 | Rn 7 4,9 | 87) |

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 12 miles open.

| | COACHING | COACRISE TRAFFIC. | | | | | MERCHANDISE AND MINERAL TRAFFIC. | | | nings | Total es | | 1 | THAFFIC | TRAIN-MIL | B6 RUN. |
|--|-----------------------|--------------------|--------------|------------|-------|--------|-------------------------------------|------|-----|-------------|-----------|-------------|---|----------|-------------------|---------|
| | Number of passengers. | Coachii receipt | | Weight car | ried. | Receip | ots. | (ent | mat | ed). | I OIR; PR | rning | | Conching | Merchan- dise. | Total. |
| | | Rs. | A. P. | M ns. | 8. | Rs. | ▲. P. | 1 | Zs. | A. P. | Rs. | A. P | : | 1 | * | 1 |
| Potal traffic for the week Or per mile of railway For previous 1 week of half- | 4,034 | | 12 0 15 8 | 22,38 | 0 30 | | 14 0 15 10 | | | 8 0 14 0 | |) 2) 13 | | 3464 | -148 | 493 |
| year | 2,644 | 435 | 10 0 | 20,54 | 20 | 401 | 7 0 | 1 | 7 | 0 0 | 81 | 1 | 0 | 3454 | 148 | 4987 |
| Total for 2 weeks | 6,678 | 1,179 | 6 0 | 42,92 | 10 | 977 | 5 () | | 17 | 8 0 | 2,17 | 3 | a | 691 | W-298 | 987 |
| COMPARISON. otal for corresponding week of previous year | 2,050} | 363 | 2 10 | 18,360 | 20 | 432 | 4 () | | 8 | 12 9 | 801 | 3 | 7 | 36.) | 183 | 403 |
| sponding week of previous year | | 30 | 4 3 | | | 36 | 0 4 | | 0 | 11 9 | 67 | 7 0 | 4 | | | |
| previous year | 4,9281 | 842 | 13 2 | 43,000 | 20 | 1,043 | 15 0 | 1 | 14 | 5 3 | 1,90 | 1 | 5 | 713 | 314 | 1,057 |

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| Total | Total | | RECEIPTS PROBLEM 1887 TO 111 JANUARY 1888. | Λı | TOTAL RECEIPTS FROM 18T APRIL 1886 TO 15TH JANUARY 1887. | | | | BEOSIPTS. FOR WEEK ENDING RECEIPTS FOR WEEK EN 117H JANUARY 1888. | | | | |
|-------------------|----------------------|---------------------------------------|---|----------------------------|--|-----------------|----------------------------|------------------------|---|----------------------------|-----------------------|-----------|----------------------------|
| decrease 1888. | increase in 1888. | Per mile worked per week. | Total receipts. | Menn ninenge worked. | | Total receipts. | Mean mileage worked. | Per mile worked. | Receipts. | Mean mileage worked. | Per mile worked | Receipts. | Mean aileage vorked. |
| Rs. | | Ks. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rn. | Rs. | |
| | 524 | 76 | 37,565 | 12 | 75 | 37,041 | 12 | 111 | 1,330 | 12 | 67 | 804 | 12 |

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 74t miles open.

| | COACHING | COACHING TRAPPIC. | | AND MINERAL FIG. | Other earnings | | | THAIN-MILE | RUN. |
|--|-----------------------|---------------------|-----------------|-----------------------|----------------|------------------------|-----------|-------------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | (estimated). | Total earnings. | Conching. | Merchan- disc. | Total. |
| | | Rs. A. 1 | M DE. 8. | R8. A. P | Rs. A. P. | Rs. A. P. | | i | |
| Total sraffic for the week Ur per mire of railway For previous 1 week of hulf- | 4,416 | 5,540 3 0 47 5 3 | | 5,373 14 0 71 13 6 | | 9,039 10 0 120 13 7 | 66.4 | 1,740 | 2,404 |
| year | 4,468 | 3,379 2 0 | 87,734 10 | 5,350 7 0 | 98 10 0 | 8,828 3 0 | 659 | 1,9507 | 2,609 |
| Total for 2 weeks | Ε,884 | 6,919 5 (| 1,70,528 10 | 10,724 5 0 | 224 3 0 | 17,867 13 0 | 1,323 | 3,6964 | 5,013 |
| COMPARISON. | | | | | | | İ | | |
| Tetal for corresponding week of previous year Per mile of railway correspond- | 5,047} | 8,876 9 7 | 1,15,846 0 | 6,100 6 0 | 89 10 9 | 10,066 10 4 | 963 | 1,230 | 1,921 |
| ing week of previous year | | 61 13 3 | | 81 8 11 | 132 | 134 9 4 | | ••••• | **** |
| previous year | 10,875 | 8,178 11 5 | 2,26,421 - 0 | 12,579 2 0 | 204 14 0 | 20,962 11 5 | 1,512 | 2.700 | 4.212 |

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works

Department Circular No. XXI, Railway, dated 23rd July 1883.

| 150 | | | S FOR WEEK | | | L RECEIPTS PRO APRIL 1886 TO JANUARY 188 | STH | | AL RECRIPTS PR PRIL 1887 TO 11 JANUARY 1888 | III | Total merenae | Total decreas | |
|----------------------------|-------------|-----|---------------------------|-----------------------|------------------------|--|-----------------|-----|---|-----------------|---------------------------------------|---------------|-------------------------|
| Mean mileage worked. | Receipts. | | Mean mileage worked | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | | Mean mileage worked. | | Per mile worked per Week. | in 1886. | Total decrease 10 1888, |
| 243 | Bs; | He. | 742 | Bs. 9,0 4 0 | Rs. | 743 | Ra. 8,05,757 | Rs, | 746 | Rs. 3,52,271 | Rs. | K:: 46,514 | |

TARKI SSUR BRANCH RAILWAY

Approximate Return of Traffic fo week ended 14th January 1888, on 21 miles open

| Pt - T- | | - | | - | | | - | - | | | | _ | | _ | 7 | | | | 1 | | |
|---|-------|------|-------|------|-----|----|------|-----|--------------|-----------------|-----|----|----------|----|----|-------|----|----|----------|-----------------|---------|
| 3 | | HING | ł l ĸ | A1 P | ı | | THE | | DISK II 4 | 440 N 11 | E | ΑL | 1 | | | | -1 | | THAPPIC | TRAIN MI | LRS RUR |
| | Nu la | | 1 | | ı i | 1 | We p | | | Iti ce | pts | , | Other er | | | Lurni | | 4 | Ceaching | Merchan disc | Total |
| | - | -31 | 0 8 | | | | | | | | | | _ | | 19 | | | | 1 | Ŷ. | |
| | | | | Ls | A | P | ¥I | DS. | 8 | ks | ٨ | t | l hs | A | 1 | Rs | A | P | | 1 | |
| , | 1 | - 13 | | | | | | | 1 | | | | | | | | | | | | |
| Total seafficienth well Or per mile of rilway For previous 1 week of half | 1 ' | RL | 1 | 114 | | 2 | C. | *44 | 0 | _01 | | 0 | | 8 | 0 | 4713 | | 0 | 909 | 60 | 908 |
| year | 17 | 1 | 1 | 1 | 11 | 0 | 7 | 11 | 11 | ŧ | 1 | 0 | 3 | 10 | 0 | 1413 | 5 | 0 | 101 | 51 | 968 |
| Total for 2 weeks | 1 | 1) | | (1 | | 0 | 11 | 111 | 10 | 417 | 1 | - | v | | , | 1 36 | 0 | 0 | 1 517 | 119 | 1 930 |
| COMPARISON | - | - | - | | | | | - | | | | | | | -1 | | | - | | | |
| Total for corresponding w 1 of previous year. Per mile of railway c 11 i | 1 | (1 | 4 | 11 | , | 1 | 3 | 1 | 33 | 110 | | 0 | G | 8 | 0 | 4 183 | 5 | | 181 | 1 | 1 012 |
| Ingework of proves a second to corresponding the co | 1 | | | 181 | 1 (| t | | | | t | | 1 | 0 | 4 | 4 | 188 | 0 | 3 | | | |
| previous year | | 1- | 1 | | . 7 | 11 | 11 | 4 | 1) | 4 1 | | 0 | 1) | 6 | 0 | 841 | () | 11 | 2 06 3 | 71 | 2,134 |
| | 1 | | Į. | | | | | | | | | | 1 | | 1 | | | | | | |

Approximate Statement of gives recent of the Let's to Brench Rulet prepar Lerie relate with Public Works
Department to relate No ANI Rulety dated 23rd July 1883

| <u>-</u> | - | | | | | - | |
|---------------------------|--------------------------------------|-------------------------|--------------------------------------|---|-----------------|------------|------------|
| REMDING | CEIPTS FOR WPFA 151H JANUARY 1887 | Richer 1 1 W | 1 181183 1 1 1 1 1888 1 1 1 1 | I KIISTEM S T I II I I I I I I I I I I I I I I I I | 1 141 11 111 FS | IANUARY I | tal Total |
| Mean mileage worked | Receipts Pr | Mem i i i 1 w k i | Tr n 1 w 1 w 1 | ictal recept | Un la recu | P t 180 | 48 1888 |
| 221 | Ra ha 4183 188 | 1 - 1 1 1 1 1 | 1 60 | 1 s R | 03 01 , | | lts las |
| | | | 1 , 1 - 4 | | _ '! | 1 - 1 - 11 | |

TASTERN BUNGAL STATE RAILWAY

(INCILDING N B DACCA K AND D AND ABBAM BUITAR SICTIONS)

Approximate helurn of Iraffic to new ended 7th Jonuary 1888, or 1 to miles open

| | LCACHI | NG TRAF | L | M 2015 11 F | ANI MINI HAI | Other earnings | T (n) | IKAPPIC | TRAIN MILES DUE |
|--|-----------|---------|-----|-------------|--------------|--------------------|---------------------|----------|---------------------|
| Abbreville 1879 | Villy t [| | 16 | With | L ce pis | m the Suum lout | cain nga | (or hing | Merchan dis . Total |
| | | II | A P | Li si | Rs A 1 | Rs A 1 | R _f A 1 | | |
| Intal traffic for the week Or per mile of rellway For previous weeks of half year | 11) | | 0 0 | 1 1 6 | 10113 0 0 | 12 1/3 0 0 | 150 1 0 0 (3 0 0 | 21 251 | 23 908 - 44,50 |
| Total for 1 week | 1) 1 | f1 00 | 0 0 | 1 1 1 | 10 0,3 0 0 | 12 113 0 0 | 181 1 0 0 | 21 .79 | _3 808 44,50 |
| COMPARISON | | 1 | 1 | | | | | 1 | |
| Total for corresponding 8 days of previous year Per mile of initiary correspond | 121 (| 52 514 | 0 0 | 4 (0 515 0 | 714 6 0 0 | 11 796 0 0 | 11 00 | 22 17 3 | 14 7 13 36,91 |
| ing period of p evi us vent Trail to corresponding data of | '4 | 58 | 0 0 | C61 0 | 1_1 0 0 | ~ 0 U* | 2_1 0 0 | | |
| previous year | 111 | 1 14 | 0 0 | 4 00 15 0 | 71,591 0 0 | 10,794 0 0 | 1 1 192 0 0 | 22 173 | 14 749 86 91 |

[·] I zelu v f St u reini st

Approximate Statement of gr ss receipts of the Fastern Bengal State Railway

FINANCIAL YEAR

| The state of the s | Total | | RECITEDS FOR | | - Control | RICRITIS PROD VILLE DS 10 H JANUARS 188 | n resumbles | | IS FOR WIFE | | | IPTS FOR 8 DA | |
|--|-------------------------|--|-----------------------------|----------------------------|--------------------------------------|---|-------------|-----------------------|-------------|---------------------------|----------------------|---------------|---------------------------|
| Total decrease in 1887-58, | increuse in 1887-88, | r or mile worked per w. ek | Potal receipts, 30 weeks | Mean in lenge worked | let mile worker per week | Total ter ipra | Tues + | I cr n i w ik d | Recorpts | Bean mileage werked | Per nak worked | Receipts | Menn milenge worked |
| | Ra. | Rs | Rs | | Rs | Rs | | Rs | Rs. | | Rs | Ra | |
| MINE | 10,17,273 | 289 | 74,67 535* | 645 | 200 | 61,80 -12 | 106 | 290 | 1 80 746 | CES | 213 | 1 1' 192 | y 606 |

[·] Audited up to week onding 5th hovember 1887.

BENGAL CENTRAL RAILWAY

Approximate Return of T effic for week ended 7th Jenuary 1888 on 175 miles open.

| | COACHING | + FRAPPI | L | MERCHANI 1 | IBI AN KAFJI | | FRAL | Other carnings | r | THAFFI | TBAIN-WIL | ES RUN. |
|---|----------------------|----------|------------|------------------|-----------------|-------|------------|-----------------|----------------------|----------|------------------|------------|
| | Number of passengers | Cacl | | Weight curi d | L | Recen | ots - | (estimat d) | fetalearem . | (aching | Merchan- dise | Total. |
|)(| | Ks | A P | Mos | 8 | ks | A P | R: A I | Rs A P | - | | 7 |
| Total traffic for the work Or per units of traffic For previous — we kn of half- your | 21 00t 163 | | 0 0 0 0 | 31 7 5 210 | | 3f I | 0 0 0 0 | 70 0 0 1 0 0 | 11 131 0 0 11 0 0 | 3 01 | 1 709 | 5,210 - |
| fetal for 1 week | 21 01) | 7 (60 | 0 0 | 3 | <u> </u> | 3171 | 0 0 | | 11 301 0 (| 3 10 | 1 700 | 5 210 |
| COMPARISON | | | | | | | | | | | | |
| firtal for corresponding 9 days of previous year Per mile of railway of trespond | 2 ,031 | 8 C)5 | 0 u | "71 | 0 | 1 350 | 0 v | 43 0 0 | 10 058 0 0 | 4 50 5 | 1 647 | 5 980 |
| ng period of previous year Total to correspon mg date of | 176 | (1 | 0 0 | 185 | J | 11 | 0 0 | | 8) 0 0 | | | |
| previous jeul | 22 (1 | 8 63 | 0 0 | 22 7 1 | 0 | 1 380 | 0 0 | 43 0 0 | 1005 0 0 | 1 33 | 1 617 | 5 98 |

FINANCIAL YEAR

Approximate Statement o gross receipts of the Bengal Central Railway

| Total | Total | | RICIII IN PRO ADRII 1887 TO IL JANUALY 18 | 8 |) | RECTIFIED FROM | 1 | | IN FOR WICK II JANUARY P | | | TS FOR FIRST | |
|------------------------|--------|------------------------|---|------------------------|----|----------------|----------------------------|-----------------------|-----------------------------|---------------------------|-----------------------|--------------|---------------------------|
| decrease in 1847 88 | 18d 88 | Jr mlr wid it | Intal receipts | Men nileige wild | | Total recepts | Me in m l ng workt l | Per mile worked | Receipts | Mean nuleare worked | Per mile worked | Receipts. | Mean unlease worked |
| | Rs | Rs | lts. | | R, | Rs | | Rs | Rs | | Rs | Rs | |
| | 67 380 | 101 | 5((18* | 1.5 | , | 4 17 048 | 125 | 91 | 11 11 1 | 125 | 80 | 10 008 | 125 |

^{*} Audit d up to week ending fith Nov 1 iber 1887.

DACCA STATE RAII WAY

Approximate Return of Traffic for we k ende ! 7th landary 1888 in 8; miles oven

| | COACHING | IRAFF | c | | MERCHANTIS | LFILE | | lei | LAL | Other is | ırn | 1,24 | Icial a | 1 | n2 | . | IRAPPIC | IRAIN MIII | 88 RUK |
|---|----------------------|--------------|-----|---|----------------|-------|-------|-----|-----|----------|------|------|---------|----|----|-----|---------|-----------------|---------|
| | Number of passengers | (mch | | | Weight carried | | Recei | pts | | (cs in a | ui e | 1 | | 50 | =" | 1 | * hmg | Mer han disc | lota |
| | 1 | Re | A 1 | | Mos s | 1 | Rs | ٨ | P | Rs | 4 | P | R. | | P | 1 | | | |
| otal traffic for the week rier mile of railway or prayiols weeks of half year | 15 527 163 | 5 ns | 0 | | 21° , 0 | | 2 521 | | 0 | | | , | 817 | | 0 | | , 163 | . 802 | 2 1/6 |
| Total for 1 week | 11 577 | 5,- 1 | 0 | 0 | 24 235 0 | _ | o 824 | 0 | 0 | | 0 | () | - 417 | 0 | (| - - | 217 | 692 | 2 90 |
| of arevious year of mile of railway correspond | 14,000 | 1 673 | 0 | 0 | 12 693 0 | | 1 155 | 0 | 0 | 51 | 0 | Ü | 6 211 | 0 | 0 | i | 2 13 | 793 | 3,,109 |
| otal to corresponding date o | 14 000 | 5 i 4 673 | 0 | | 118 6 | | 17 | | 0 | 1 51 | | 0 | 6 71 | | | | 2(1) | 795 | 3 M |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Ducca State Railway

| B.so | BIPT" FOR 8 | DAY8 87 | | es bok meek I Januaky II | | | APRIL 1886 IC |) | 0.000 | RECEIPT VE APRIL 1987 TO L JANUARY 18 | Characteristics | Total | Total |
|-----------------------|--------------|-----------------------|---------------------------|-----------------------------|------------------------|---------------------------|----------------|----------|---------------------------|---|-----------------|------------------------|---------|
| lean leage rued | Веспіріа. | Per mito worked | Mean miloure worked | Receipia | Per u ili worked | Mean milenge worked | Total receipts | | Me in mil ge we wed | | pet pet | inor ase in 1897 89 | 1887-88 |
| | ks. 6,911 | its 78 | 86 | Rs 8,127 | Rs 95 | 80 | Ra 2,01,525 | Rs 59 | 96 | Rs 2 10 021* | 9.a 70 | Ku 99,410 | |

ASSAM-BEHAR STATE RAILWAY.

(PURNEAR SECTION.)

Approximate Return of Traffic for week ended 7th January 1888, on 39 miles open.

| | COACHING | TEAPF | c. | | MBECHAND | IAR HAF | AND MINERAL | | Other carnings | Total e | rni | ng. | TRAPPI | C TRAIN-MII | es bur. |
|--|-------------------------|-------|------|----|--------------------|------------|---------------------|---|----------------|---------|-----|-------|-----------|-------------------|---------|
| | Number of passengers | Coach | | | Weight carried. | | Receipts. | | (estimated). | | | LIMO. | Coaching. | Merchan- dise. | Total. |
| | | Rs. | A. 1 | P. | MD8. | 8. | Rs. A. P | i | Rs. A. P. | Rs | | , P. | | | |
| Total traffic for the week Or per mile of railway | 2.7%5 | | 0 | | 15,073 386 | | 1,388 0 (36 0 (| | 10 0 0 | 2,21 | | 0 0 | 546 | 546 | 1,090 |
| For previous weeks of half- | | | | 1 | | | | _ | | : | | _ | | | |
| Total for 1 week | 2,785 | 885 | 0 | 0 | 15,073 | 0 | 1,388 0 (| | 10 6 0 | 2,25 | 3 (| 0 | - 5Hi | 548 | 1,095 |
| COMPARISON. | | | | | | | | | | | | ¥.1 | | . 1 | |
| otal for corresponding week of previous year | | | | | ***** | | | | ٠ | | | | | | |
| ing period of previous year | | | | | ••••• | | | | | | ••• | | | ***** | ***** |
| previous year | | | | | | | ***** | - | | 300 | ••• | | ****** | ****** | ***** |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam Behar State Railway.

| BECKIPT | es for first | 8 PAYS | | TS FOR WEER H JANUARY 1 | | | L RECRIPTS FROM HI 1886 TO 8 DA JANUARY 1887. | VS OF | 3.575 | APRIL 1887 TO TH JANUARY 18 | 100 | Total increase | Total decrease |
|----------------------------|--------------|------------------------|----------------------------|----------------------------|------------------------|----------------------------|---|-------|---------------------------|--------------------------------|---------------------------------------|----------------|----------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked, | Receipts. | Per mile worked. | Mean mileage worked. | | | Mean mileage worked | Total receipts. | Per mile worked per week. | in 1847-88. | in 1887-88, |
| | Ra. | Rs. | | Rs. | Rs. | | Rs. | ks. | | Rs. | Rs. | Rs. | |
| | | | 30 | 2,283 | 59 | | | | 39 | 89,781* | 58 | 89,781 | |

[•] Audited up to 5th Novomber 1887.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 14th January 1888, on 271 miles open.

| | COACHIN | o Trapp | ıc. | MERCHAN | | AND MI | NEB | AL | Other ea | rnitii | 24 | Tota | ı | TRAFFI | c Train-Mil | BS BUN. |
|--|-----------------------|---------|-------|--------------------|----|--------|---------|----|-----------|--------|-----|-------------|-------------|-----------|-------------------|---------|
| | Number of pussengers. | Coachin | | Weight carried. | | Recei | pts. | | (estimate | | | earnin | | Coaching. | Merchan- dise. | Total. |
| | | Rs. | A. P. | Мрв | 8. | Rs. | ٨. | P. | Rs. | A. P. | | Rs. | A. P. | | | Ī |
| Total traffic for the week Or per mile of railway | 2,743 101 | | 0 0 | 15,297 561 | | | 0 15 | 0 | | 0 (| | 1,852 67 | 0 0 15 0 | | 254 | 763 |
| For previous 1 week of half- | 2,579 | 963 | 0 0 | 22,127 | 0 | 1,194 | 0 | 0 | 16 | 0 (| 1 | 2,173 | 0 0 | 500 | 254 | 763 |
| Total for 2 weeks | 5,009 | 1,986 | 0 0 | 37,421 | 0 | 2,064 | 0 | 0 | 25 | 0 (| - - | 4,025 | 0 0 | 1,018 | 508 | 1,626 |
| COMPARISON. | | | | | | | | | | | | | | | | |
| Total for corresponding week of previous year | 2,533 | 875 | 5 0 | 19.472 | 20 | 905 | 1 | 0 | 12 | 8 0 | 1 | 1,792 | 14 0 | 509 | 2784 | 787 |
| Per mile of railway correspond- ing week of previous year | 93 | 32 | 2 0 | 500 | 0 | 33 | 4 | 0 | 0 | 7 0 | | 65 | 13 0 | | | |
| rotal to corresponding date of previous year | 5,1793 | 1,794 | 6 9 | 40,401 | 20 | 1,928 | 12 | 0 | 36 | 10 0 | | 3,759 | 12 9 | 1,090 | 7464 | 1,836 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

| RECEIPT | I JANUARY 1 | ENDING 887. | | ts for wrek i Januart 1 | | | PRIL 1886 TO 10 JANUARY 1887 | TH | 41 | RECEIPTS FROM PRIL 1887 TO 14 JANUARY 1888, | | mate) | |
|----------------------------|-------------|------------------------|----------------------------|----------------------------|-----|----------------------------|---------------------------------|-----|----------------------------|---|---------------------------------------|----------------------------------|----------------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileago worked. | Receipts. | | Mean mileage worked. | | | Mean mileage worked. | Total receipts. | Per mile worked per week. | Total increase in 1557-58. | Total decrease in 1887-88. |
| | Ra. | Re, | | Rs. | Ra. | | Ra. | Re, | 411 | £s. | Ba. | Ba. | |
| 273 | 1,793 | 88 | 271 | 1,852 | 68 | 273 | 66,971 | 59 | 272 | , 79,191 | 65 | 5,920 | 444 |

=

TIRHOOT STATE RAILWAY

Approximate Return of Praffic for the week ending 11th January 1888 (1.59 miles open

| | COACHING | Tea "FI | c | | | | AND MINERAL | 1 | | | TH , | IRAIN W 13 | . RUE |
|--|----------------------|---------|----|-----|-----------|----|--------------|-----------|-------|-------------|---------|------------|--------|
| | Number of passengers | Conclu | | | W 1 hi | | Recupts | Other ent | | units | Caching | n han- | Total |
| | | | | - 1 | | ì | | 1 | | -: | | | |
| and the Salantha much are | | Rs | • | P | Mds | В | Ka v L | Rs A | P | 1 8 A 1 | | | 1 6 |
| fotal traffic for the week on 259 | 40 101 | 14 773 | 0 | 0 | 2 16 77 | 0 | 21 465 0 0 | 4 47 1 | 0 0 | 10 1 0 0 | 1.1 | | |
| or por mile of railway | 1/6 | | 4 | | | 0 | 8. 11 0 | | 0 0 1 | 11, , 0, | | 5 340 | 14,41 |
| for previous 1 week of helf year | 34 871 | 12 064 | 0 | 0 | 1 91 (2) | 6 | 15 (20 0 0 | 4 012 | 0 0 | 34 (9t 0 0 | t 517 | 117 | 1 16 |
| Total for 2 weeks | 75,293 | 27 2 7 | 0 | 0 | 4 09 189 | - | 31488 0 0 | 8 1 11 | 0 0 | 7 16 0 0 | 11 | 1 417 | 77. 7 |
| COMPABISOR | | | _ | | | | | | - | | | - | |
| Total for corresponding week of | | | | i | | Ì | | | | | 8 | 1 | |
| provious year on 246 miles open | 334_0} | 12 90) | 10 | 6 | 1 (0 549 | 20 | 15 39) [] 0 | 3 879 1 | 1 8 | 2781 6 2 | 518 | r 177 | 10 00 |
| Per mile of railway correspond | | | | | | | | | | | | | 10 110 |
| ing week of previous year otal to corresponding date of | 136 | F 2 | H | 0 | 653 | 0 | 15 0 0 | - 6 | 2 0 | 1.2 10 0* | | 1 | |
| previous year | 70 566 | 414 | 1 | 5 | 9 27 70 1 | 0 | 32 48 11 0 | 7 2 37 1 | 5 7 | Fr 120 11 0 | 11 34 | 10 5 | 91 74 |

[•] Steam-boat earnings excluded in calculating — I otal carnings per nule of Railway

FINANCIAL YEAR

Approximate Statement of gross receipts of the Terhoot State Railway.

| | S POR THE WE | | | TS FOR WELL | | | RECEIPTS FR PRIL 1880 TO U | 51 H | | f receipts pro Pril 1887 to 1 January 1889 | nu l | 1(1) | Tota |
|---------------------------|--------------|-----------------------|---------------------------|---------------|-----------------------|---------------------------|-------------------------------|------|---------------------------|--|-------------------------------------|----------|------------------------|
| Mean mileage worked | Beceipte. | Per mile worked | Mean mileage worked | Receipts | Per mile worked | Mean milenge worked | lotal receipts | | Mean milenge worked | Total receipts | for mile worked ft week | 1887 N | derrease in 1887 (√ |
| | Ra | RB | | "Ra, | Rs. | | Rs | Rs | | Rs | Rs | Rs | |
| 246 | 32,786 | 133 | 259 | 10 520 | 1/6 | 216 | 12, 35 160 | 12 | 210.86 | 13 (8 83 | 13 | 1 33 122 | |
| 1 | | <u>l</u> | | - | _ | _ | | | | | _ | | |

| | DARJ | EELING- | ILMALA | YAN RAI | LWAY C | OMPANY | LIMITED | | 1 | Rs |
|--------------------------|-------------|-----------------------------|------------|------------|---------|--------|---------|------------------|----------|--------------|
| Approxi | mate carn | ungs for we ek last year | ek en ling | 7th Janua | El cons | | | | | ,132 ,979 |
| Increase | | | | | 3.5 | | | 31 44 | | 153 |
| пистемы | Š. | | | | ••• | | | | | |
| Receipts | from 1st | to 7th Janu | ary 1888 | | | | | | | 132 |
| From 1s | to 8th J | anuary 1857 | | | | | | |) | 1,9 |
| # Choracte Street | 27 | | | | | | | | т. | 151 |
| Increase | • | | | *** | | | | | | _ |
| | | | | | | | | Mile | 5. | |
| Miles on | en, week | ending 7th | January | 1888 . | •••• | | | 51 | | |
| ('orrespo | onding wee | ek last year | | • | | | | 51 | Series a | |
| | | | | | | | | K4 | | ٠. |
| Dagainte T | nar mila or | non weak er | ding 7th | January 18 | 88 | | | 81 | 0 | 1 |
| orrespon | ding week | last year | | | | | | 18 | 0 | 1 |
| or real or | | , | and. | U.55 | | 87 | | | - | -: |
| nerease | | | | | | ••• | • | .3 | U | () |

CHIEF OFFICE, D.-H RY., DARJEELING, the 20th January 1888.

(Illegible) Acting Secretary D H Rv.



The Calcutta Gazette.

WEDNESDAY, FEBRUARY 1, 1888.

OFFICIAL PAPERS.

Non Subscribers to the Carrier may receive the Suriermint separately on payment of Six Refees
prinning lettered in Calcutt, or Puelle Rupnes of sent by Post

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| ursen is for mak g m ve er in the litt of | | 213 |
| 1 stim t d atturn of Bh i recrambant r h rest of 1857 88 | Buths and Daths in the Principal Marchelities in 187 Beign during the week olding 7th June 1 1888 | 2 1 |
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| Meteorol goal is port of the crising a Bengal furth we kinding linday the 7th Linuxy 188 | | 17 |
| | | 0 |

TEXT-BOOKS FOR VERNACULAR MEDICAL SCHOOLS.

GENERAL DEPARTMENT-EDUCATION

Cakutta, the 27th January 1888

RESOLUTION

RL-READ -

Resolution, date I the 13th December 1980, on the subject of the selection of Vernacular Text-books in Medicine and Surgery.

Read—

A letter from the Director of Public Instruction, No 200 dited the 10th Limitry 1888, and enclosures. The Director forwards the report of the Vernaular Medical Text-book Committee on the Bengali translation of Roberts. Hand book of Medicine by Baboo Gunga Prosad Mookerjea, BI. and MB

In paragraph 5, clause 3, of the Government Besolution, duted the 13th December 1880, on the subject of the selection of vernacular text books for Medical Schools in Bengal, it was stated as follows:—

"Under Practice of Medicine the treatise by Baboo Gunga Provad Mookerjea, B.L. and M.B., in Bengali, may be adopted. If Roberts' Hand-book of Medicine is translated by any one, it will be open to Government to substitute it hereafter. But no reward need be offered for any such translation."

Baboo Gunga Prosad Mookerjea, B.L., M.B., has translated into Bengali Roberts' Practice of Medicine, and the translation has been approved by the Medical Text-book Committee. The Lieutenant-Governor is, therefore, now pleased to declare that the translation is approved by Government as the Text-book on Medicine to be used in Medical Schools in which Bengali is the medium of instruction.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

TO THE CALCUTTA GAZETTE, FEBRUARY A. 1898.

TEXT-BOOKS FOR VERNAOULAR MEDICAL SCHOOLS.

GENERAL DEPARTMENT,-EDUCATION.

Calcutta, the 27th January 1888.

RESOLUTION.

READ

A letter from the Director of Public Instituction, No. 356, dated 16th January 1888, and its enclosures, regarding text-books for vernacular medical schools.

The Director of Public Instruction has recommended that Baboo Nilratan Adhikari's book on Haman Physiology in Bengali, which has been approved by the Vernacular Medical Text book Committee, should be adopted as a text-book in Physiology in those medical schools in which the medium of instruction is Bengali. The Lieutenant-Governor approves the Director's recommendation.

ORDER -Ordered that a copy of this Resolution he forwarded to the Director of Public Instruction for information, and that it be published in the Calcutta Gazette.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt of Rengal.

MODIFIED FORM OF RENT RECEIPT TO BE USED IN CERTAIN AREAS IN PERGUNNAH BARBAKPORE IN THE RAJSHAHYE DISTRICT

REVENUE DEPARTMENT-LAND REVENUE

Calcutta, the 30th January 1888

RESOLUTION

READ-

Letter No 661Ret., dated 7th October 1887, from Commissioner, Rajshakye Division, forwarding for orders a petition from the Raja of Doobulhatty praying for sanction to a modified form of rent receipt

Read also the following correspondence on the subject of making a survey and record of rights in the estates of the Rajah situated in the Rajahahye district :-

- (1). Letter No. 104 Ret, dated 27th April 1886, from Commissioner of Rajshahye, and enclosure.
- Government order No. 309T-R, dated 17th May 1886, to the Commissioner.
- Letter No. 556Ret., dated 2nd September 1886, from Commissioner of Rajshahye.
- (4). Government order No 1372T-R, dated 14th October 1886, to the Commissioner.
- Government order No. 725-281LR, dated 7th March 1887, to the Board of Revenue.
- Government order No. 1226-469LR, dated 19th April 1887, to the Board of Rovenue.
- Board's No 331A, dated 4th May 1887.
- Government order No. 1702-655LR, dated 28th May 1887, to the **(**8) Board of Revenue
- Board's No. 457, dated 1st July 1887.
- (10)499A, dated 21st July 1887.
- Government order Nos. 2647-48-942-43LR, dated 29th August 1887, (11). to the Board of Revenue.

In consequence of disputes between Raja Harunath Roy of Doobulhatty in the Rajshahye district and his ryots in the Barbakpore pergunnah regarding rates of rent and areas of holdings, both parties made application to the Collector of Rajshahye that a survey should be made and a record of rights prepared in respect of the lands comprised within the estates named in

No 162, Kishmat, pergunnah Barbakpore.

" 165, Guigarampore, pergunnah Barbakpore. " 167, Doorgapore Taraf, do. do " 169, Midnapore Taraf, do do. " 1829, Chak Kalidas and Raghunathpore, per-

the margin. It was further proposed by the parties and recommended by the Commissioner that, pending such survey and settlement, the ryots should make lump payments of rents without insisting

on specification of details in the receipts granted, and that a form of receipt should be used, to be approved by the Lieutenant-Governor under section 56, clause 3 of the Bengal Tenancy Act. The survey having now been commenced,

the Lieutenant-Governor sanctions the use on the estates specified above of

a rent receipt in the following form :-वमीन क्रार्थियां वादर था जानानि व्याम करणशा वावर थांजामानि व्रवश्व **भर्**गना (ম)জা (मोज् **चयो**मां इ প্ৰগাৰ নাম প্রভার নাৰ পিতার নাম পিডার হাম थाणान (শস থাজানা 4 কু ন ₹: আদায়কারীর স্বাক্ষর আদায়কাবীর স্বাক্ষর होका मितात छात्रिथ টাকা দিবাৰ ভাৱিখ মন্তব্য।—এই খাজানা ১২৯১ দালের পৌৰ কিন্তিব পর জ্বমানার यखरा ।- এই थोकांना ১২৯১ मोटनर श्लीय किन्छिर शर कमोनांत হিলাব অনুধারে মুকরা পাছতে তৎপূর্বে জমানার মুজরা হিসাব অনুসারে মুজবা প ড়বে ভংপুর্ম ভযানার মুজর निष्द मा। FORM OF RENT RECEIPT. Receipt for money on account of reat, &c Receipt for money on account of rent, &c Pergunnah

Porgunnah Mouzah Mouzah Landlord Landlord l'enant's name Tenant's name Father's name Father's name Rent Cess Total Rent Cess Total In words. In words Signature of the receiver of rent

ligasture of the receiver of rent

)ate of payment

BEWARES.—This (payment of rent) should be debited sunst demands subsequent to the Pous kist of 1291.

Date of payment

REMARKS.—This (payment of rent) should be debited against demands subsequent to the Pous kist of 1291

The sanction now accorded will be withdrawn on the completion of the

survey and record of rights. ORDER. -Ordered that copy of the Resolution be forwarded to the Board of Revenue for information and communication to the Raja of Doobulhatty.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

RESOLUTION ON THE ADMINISTRATION REPORT OF THE COMMISSIONERS FOR MAKING IMPROVEMENTS IN THE PORT OF CALCUTTA FOR THE YEAR 1886-87.

MUNICIPAL DEPARTMENT-CALCUTTA PORT TRUST.

Calcutta, the 31st January 1888.

RESOLUTION.

RLAD-

The Administration Report of the Commissioners for making Improvements in the Port of Calcutta for the year 1886-87.

During the year under review, the consolidated debt owing to Government was reduced by Rs. 1,13,346, and a sum of Rs. 96,300 was invested on account of the sinking fund for the debenture loans raised in 1881, 1833 and 1886. On the other hand, the Commissioners received from Government, in addition to advances already received by them amounting to Rs. 23,75,000, turther advances to the extent of Rs. 31,00,000, to enable them to proceed with the construction of the Kidderpore Docks. The total debt of the Port Trust on the 31st March 1887 was as follows:—

| | | | | | $\mathrm{Rs}.$ |
|---------------|-------------|---------------|---------------|--------|----------------|
| Consolidated | repayable | debt due to C | dovernment | | 46 43,335 |
| Port Book de | bt not repa | ıyable | | | 17,65,000 |
| Due on 11 de | ebenture lo | an of 1881 | ••• | *** | 10,00,000 |
| 1) uo on 11/3 | ditto | of 1883 | *** | | 20,00,000 |
| I'm on 51 | | of 1886 | *** | •• | 30,000 |
| | | | Government fo | r Dock | |
| works to en | nd of 1886 | 87 | | ••• | 54,75,600 |
| | | | Total | | 1,78,83 335 |
| | | | | | |

Against the above debt, the Commissioners estimate the assets of the Trust, consisting of reserve funds, property in jetties, wharves, and other productive works, and block at the close of the year, at Rs. 2,59,29,803.

- 2. The income during the year under Revenue Account, exclusive of the opening balance of the year, Rs. 3,94,621, amounted to Rs. 23,08,183, against Rs 21.66,136, the income of the previous year. The total expenditure, including payments on account of sinking funds and contributions from other ports to Part VII, "Port approaches," was Rs. 27,80,763. The account therefore closed with a net credit balance of Rs. 3,87,041 on the 31st March 1587. Under Capital Account the receipts, including the credit balance of Rs. 1,26,502 at the close of the year 1885,86, amounted to Rs. 40,35,203, and expenditure to Rs. 32,99,924. The expenditure was chiefly on account of the new Dock works.
- 3. During the year the tea warehouse at Armenian Ghât was completed at a further cost of Rs. 4,54,045. The sum of Rs. 1,78,920 was spent on alterations made in the petroleum wharf, and Rs. 41 351 on the Howrah toreshore.

Money having been advanced by Government, work on the Kidderpore Docks steadily proceeded. The sum of Rs. 20,41,718 expended on these works formed the largest item in the total of Rs. 27,68.476 spent on new works

Both the income and the expenditure under Part I, "Jetties," increased, with the result that the net revenue was Rs. 4,763 less than that of the previous year. The income from exports slightly increased, and a sum of nearly Rs. 50,000 was realized on account of the petroleum wharf. On the other hand, there was a decrease from "imports" due partly to the space available for trading ships being taken up by transports for Burmah, and partly to a reduction in the rents charged for the upper floors of the new warehouses. The earnings from the floating crane also decreased. The increase in expenditure was due to interest charges on capital expenditure, which much more than covered a saving of about Rs. 10,000 in working expenses.

5. The total amount of the receipts from the Inland Vessels' Wharves was Rs. 4,41,103 against Rs. 3,93,587, the receipts of the previous year, but an increase of Rs 45,159 in the charge for interest had to be paid out of this increased income, nearly thirteen lakks out of the loan raised in the year

1885-86 having been spent on these wharves. The net revenue was thus Rs. 1,55,098 against Rs. 1,47,146 in 1885-86. It should be noted, however, that out of this net revenue Rs. 67,171 was paid on account of Sinking Fund on loans.

The receipts and expenditure on account of the Strand Bank Lands amounted to Rs. 1,71,450 and Rs. 1,05,778 respectively, against Rs. 1,73,342 and Rs. 1,06,371, the receipts and charges of the previous year. The collections from the Strand Bank Lands belonging to the Trust amounted

to Rs. 65,672 as against Rs. 66,971 in the previous year.

There was a large increase in the gains of the Harbour-Masters' Department from the hire of moorings. This was chiefly nominal, and was due to the fact that an unusually large number of vessels which had entered the port during the previous year had their accounts adjusted during the year under review. There was also a saving of about fifteen thousand rupees in expenditure, so that the net revenue this year amounted to Rs. 94,806 as against Rs. 3,045 in the year preceding.

The income of the Harbour-Masters' Department amounted to Rs. 5,97,237 against Rs. 5,21,061, the income of the previous year, showing an increase of Rs. 76,176, nearly all of which was due to larger collections on account of mooring hire. The expenditure of the year was Rs. 5,02,351, or Rs. 15,665 less than the expenditure of the previous year, the principal saving being under Dredging Account. The net revenue amounted to

Rs. 94,886

7. Only eight vessels met with accidents while in charge of Assistant Harbour-Masters during the year, none of which were serious, and it is satisfactory to observe that in no case was the Assistant Harbour-Master to blame.

8. The usual examination of the moorings was made during the year, and those found defective were replaced by new materials. Three new moorings were laid, viz. two fixed moorings at Budge-Budge, and one swinging mooring in the stream below Fort Point. The total number of moorings in the Port at the close of the year was 231, of which 180 were fixed and 51 swinging. The dredger was employed for 139 days during the year at a cost

of Rs. 22,122, the rate per 1,000 cublic feet dredged being Rs. 18.3.

9 The number of vessels surveyed during the year under Acts V of 1862, and VI and VII of 1884, for hull and engine certificates, was 265. The number of visits paid to them was 698. The number of passenger and emigrant vessels surveyed under Acts VIII of 1876 and XXI of 1883 was 73. Thirteen boilers and condensing apparatus for emigrant vessels were surveyed under Act XXI of 1883. Thirteen vessels were measured for tomage, and one for registration under the Merchant Shipping Act of 1854, and two vessels were measured for tomage under the rules for measurement of inland steamers and flats. Besides these there were during the year surveys of 10 vessels belonging to the Port Commissioners and 17 miscellaneous surveys. Only one ship was found to be unseaworthy.

10. The following table compares the number of passenger and cargo boats surveyed and licensed, and the number of manjees licensed during the

year with those of the previous year:—

| | | | 1886-87 | 1995 86 |
|------------------|-----|-----|-----------|---------|
| Passenger boats | | ••• | 1,661 | 1,808 |
| Cargo " | ••• | | 5,861 | 5,913 |
| Manjees licensed | ••• | ••• | 8,986 | 9,009 |

11. The Port Commissioners' Railway continues to show satisfactory results. During the year under review the receipts amounted to Rs. 1,70,151, being Rs. 9,708 in excess of the receipts of the previous year. A considerable portion of the increase was due to the opening of the Jubilee Bridge at Nashatty, which brought additional traffic to the line. The expenditure, which was higher than that of any previous year, amounted to Rs. 1,24,649. The net revenue was Rs. 43,502. At the close of the year a new agreement was entered into between the Commissioners and the Eastern Bengal State Railway for the working, for a further period of three years, of the through traffic on the Commissioners' riverside line

The income under " Port Approaches," which is made up chiefly of contributions from other parts of the Commissioner's accounts, amounted to Rs. 4,74,387 against Rs. 4,27,943, the income of the previous year. The expenditure amounted to Rs 4,65,281 against Rs. 4,94,133. Among the items of expenditure, Rs. 50,000 is shown as having been provided on account of depreciation. This amount has since been appropriated to make a first payment of £3,000 for a new light-ship which has been ordered out from England to form a reserve in case of emergency. The sum of Rs. 80,000, which had previously been set apart to provide for depreciation, will be similarly appropriated. The importance and necessity of making proper provision for depreciation have, however, been already referred to in connection with the budget estimates for the current year.

13. The channels leading to the port were kept clear, and the light-houses and light ships preserved in good condition throughout the year. As in the previous year, the only obstruction to navigation of any consequence was caused by the Nynan Tracts. A complete survey of the river from Jiggerkolly to Saugor, and thence to the Bell buoy, was carried out during the year, and this kept the surveying vessels all fully occupied. It was reported to Government at the end of the year that there were no stores at one of the Refuge houses, but this case must have been exceptional, as the present report shows that since the close of the year the houses were visited,

and that the stores were found to be in good condition.

14. The thanks of Government are due to the Commissioners for their vigorous management of the affairs of the Trust.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

ESTIMATED OUTTURN OF BHADOI GROP AND WINTER HARVEST OF 1887-88.

No. 51 Agri., dated Calcutta, the 10th January 1888.

From-M. FINUCANE, Esq., Director of the Department of Land Records and Agriculture, Bengal,

To-The Secretary to the Government of Bengal, Revenue Department

I HAVE the honour to submit the report called for in your No. 408-9Fam., dated 8th February last, on the estimated outturn of the bhadoi crops reaped in August, September and October, and of the winter rice crop, the harvesting

of which is now being completed.

2. The figured estimates of area under cultivation and of outturn of crops have no claim to statistical accuracy. They represent merely the opinions of local officers, who supplemented the meagre statistical information as to areas under cultivation with each crop to be found in official compilations relating to the districts of the Lower Provinces, by such further information as they could gather from zemindars, European planters and managers of Government and Wards' estates. Considering the necessarily imperfect manner in which such estimates as these have to be framed in Bengal, they must be accepted with caution, as being in reality little better than guesses. They may, however, as representing the best local opinions regarding the areas to which they relate, be of some use to traders.

3. The last rainy season was generally one of deficient rainfall throughout Bengil, and mainly for this reason the outturn of bhadoi crops was as a

rule seriously short of the normal.

4. The outturn of the rice crop is reported to be less than the normal in 32 out of the 44 districts of the Lower Provinces. In five districts the present year's crop is reported to be normal, and in seven, some of which suffered from floods last year, the outturn will be better than in the preceding year. On the whole it may be said that the outturn will be somewhat less than the normal, but the deficiency will probably not be more than 2 annas.

5. Serious failure of the winter rice is reported from limited areas in the sub-divisions named on the margin, but it is not Sudder sub-division of Pooree. Nowada (Gya) Sudder sub division of Nuddea. anticipated that any special measures of Govern-Ranaghat (Nuddea) Sudder sub-division of Bankoora. ment relief will be required in them. I have myself recently visited the State of Angul, in parts of Jehanabad (Hooghly) Sudder sub-division of Gya which an almost total failure of the rice crop was Khurawan (Singbhoom) reported, and, after enquiry on the spot, am of

opinion that an 8-anna rice crop was harvested in the worst villages, and an average crop in many. I do not therefore think that there is any necessity for starting special relief works in that area at present, and doubt whether any

such necessity will arise later on.

6. This report was due on 1st December, but I regret that, as Collectors' reports, though called for by the 15th of November, had not all been received by the 1st of December, when it was necessary for me to leave for Orissa, it was found impossible to submit it on an earlier date. A copy of my circular letter calling for reports on the state and prospects of the crops is annexed.

| 1 | ž | 8 | • | 5 % | 6 | 7 | 8 |
|--|--|--------------------------------|--|--|------------------------------------|---|--|
| DISTRICT. | Sub-division, | Total area of sub-division. | Jotal area estimated to be under cul- tivation. | Area under cal- tivation estimated to be under blanded crops, | Name of principal bhadoi erops. | Estimated outturn of bhadoi crops expressed in aunua | REMARKS. |
| 4 11 11 11 11 11 11 11 11 11 11 11 11 11 | | Sq. miles, | Sq. miles. | eq. miles. | 2011 1945 - November 194 | | |
| Burdwan | Sudder | 1,242 | 993 | 148 | Aus rice | | sowing and harvesting time, and in places near the Damoodar river by floods also arthe latter season. |
| ± | Rancegunge Cutwa | 852 | 274 | 8 82 | Ditto Ditto | 1 | ploughing and sowing time. Crop was affected by excess of rain at sowing time and want of rain before the harvesting |
| | Culna | 4:12 | 824 | 97 | Ditto | 16 ., | time. Orop affected by want of rain before the harvesting time. |
| | District Total | 2,007 | 1,805 | 245 | | | The crop in the district generally was injuri- ously affected by want of rain at almost every stage, and in some places partly by floods from the river Damoodar. |
| Bankoora | Sudder | 1,921 | 576 | 86 | Aus rice | 12 annss | Deficiency of rainfall shortly after the sowing and transplantation affected to some extent |
| | Bishenpore | 700 | 280 | 42 | Ditto | 15 ,. | the outturn. |
| | District Total | 2,621 | 854 | 128 | | - | |
| Beerbhoom | Sudder | 1,108 | 664 | 68 | Ans rice | 12 nnnas | and sowing time. |
| | Ramporehat . District Total | 1,756 | 1,150 | 111 | | 10 | Suffered near rivers from inundation. |
| | | | | | | | |
| Midnapore | Sudder | 3,297 | 2,265 | 405 | Aus rice, til, ma- rua, kadoo. | 15 annus | Elightly affected partly by the deficiency of rainfall when the grain was ripening and partly by floods in some portions of the Sudders and distance of the Sudders and di |
| | Contai | 849 | 594 | 59 | Aus rice and biri- kalsi. | 8 | There is very little cultivation of bhadoi crops in this sub-division, the lands not being suited for cultivation of such crops. In Contai, Egra, Potaspur, and Kedgree thana there was |
| | Ghattal | 321 | 200 | 12 | Aus rice | 5.05 | me cultivation of bhadel crops. The crop is said to have been affected by floods. |
| | Tumbook | 620 | 465 | 9 | Ditto | 16 ,, | No bhadei crop of any kind except cas grows in the sub-division except in thans Panch- kura. The season was favourable to the aus. |
| | District Total | 5,057 | 8,514 | 483 | | | |
| loogbly | Sudder | 442 | 205 | 28 | Aus rico | 10 аправ | Four snuss damage was caused by a deficiency of rain during ploughing and two aunas loss |
| | Scrampore | 843 | 2 u · | 43 | Ditto | 10 , | from the same cause at time of sowing. The rainfall was sufficient during the ploughing time, but deficient at "owing time, and rather inadequate before the harvest. |
| | Jehanahad | 439 | 202 | 47 | Ditto | 14 ,, | There was good and timely rain both for ploughing and sowing but the crop suffered to some extent owing to floods. (1) Loss of about two agency of deficiency of |
| | Howrah | 178 | 131 | 5 | Aus rice, jute | 12 | Loss of about two annas by deficiency of rainfall after sowing. Loss of about two annas by floods. |
| | Oolooberiah | 303 | 251 | 18 | Ditto | 16 ,, | (a) Does of about two abdue of moons. |
| | District Total | 1,699 | 1,149 | 136 | | | |
| -Pergunnahs | Sudder, includ- | 885 | 513 | 123 | Aus rice | 12 annas | The crop was affected by deficient rainfall at the time of sowing. |
| | pore. Diamond Har- bour. | 417 | 321 | 9 | Dirto | 16 ,, | |
| | Basirbat Basirbat Barrackpore Dum-Dum | 392 360 42 24 | 243 277 36 15 | 63 69 28 | Ditto Ditto Unito Ditto | 16 ., 12 ., 13 ., | |
| | District Total | 2,120 | 1,405 | 288 | | | |
| | Sudder Satkbira | / 696 702 679 | 591 596 | 185 208 | Aus rice | 10 annas | Somewhat deficient rain at ploughing time. |
| | Bagirhat District Total | 2,077* | 1,764 | 108 | <u>'</u> | | \$ 10 E |
| | | | | | | | |

[•] Excluding the portion of Sunderbuns (8,309 square miles in all) lying in this district.

| - | | 1 . | | | | | |
|---------------|--|-------------------------------|---|---|--|--------------------------------|--|
| <u> </u> | <u> </u> | Ser. | 1 | 1 - | 1 . | 1 . | i + |
| 1 | 2 | 3 | ! - | 5 | 6 | 7 | 9 |
| District | Sub levision | T til area of sub-division | Total ar a estimated to be un ter cul tivation | Area under cul tivate n estimated to be under blindor creps | Name of paincipa blader creps | I tm o fari office (A) (A) (A) | MANKE |
| | | Sq Miles | Su Miles | by Miles | | 1 | - |
| And lea | Sudder | 701 | \$24 | 308 | Aus vice, jut chillies, sugar caue | Ah i i | O in S 11 at a trap t were not first a start it at a start |
| N et | K ushte a | 158 | 118 | 203 | Aus the inte- kadee indig- kuon | | |
| | Mehripue | 17 | 18.1 | 312 | Aus ru knd) ku n jut md s | 10 to 1. | In MI perfly Sy to extent |
| | (hunding) | 117 | 215 | 109 | Ans rice | Ab ut 10 | The second second second second second |
| | Ranaghat | 4.7 | وار ٥ | 145 | D tto | nt nas | In Rinch till t will fill tim was |
| | | | | | Into Intigo | 11 | the term of the three parties of parties of the control of the con |
| | District Intal | | 1 11 | 1 1(0 | | | • |
| | | 1 | | | | | |
| Je snore | Sudder | 587 | 533 | -1 | Aus ri juli ind | 1 sann 18 | 1 |
| | Biging | 1 10 | 11 | 111 | Au ii Diff i | 15 | on the null that the plant of |
| | Magocra | h 1 | | 1 | indinds | l. | s wing to |
| | Then tah | 113, | 1 (4, | | Austr | 16 | 1 |
| | District Fatal | | | | | | |
| Moorst cdabad | | 7.7 | (13 | 1) | Δυς 1460 | 16 ann 18 | Alitemate the constitution |
| HOME CHADAC | Sudder Lilber | 7(7 | 2 | 14 | Dift | 17 | All the time that the control of the |
| | lungij ni | | 416 | 110 | Ditto | 11 | Triple the three it line in the control of the line in |
| | Kandı | *12 | 101 | 24 | Ditto | 11 | milled its mea |
| | District Potal | 11 | 1 1 | 300 | | | |
| | | | 1 | | | | |
| Dinagepore | Sudder . | 3 51 | 190 | | Aus in (| 13 annas |) The sus r w if to by diff #more of |
| | Phakurgaon | 4(7 | (*n | 112 | Anstice Jule | 11 | finfal its win time in tall awards by |
| | District Tetal | 1115 | +01 | | | | |
| | | | | | | | |
| Rajshal ve | Sud Icr | 915 | (8) | 1 | Aus 11co Kuon Murua 111 1uto Indigo | (| The crys suft of the curve of the control of the curve of |
| | | | | | | | la banth SII 11 11 11 |
| | Nattore | 517 | 1.1 | | Anarno Kan Juta | 11 | I the things the leading twenty |
| | Nongong | 6(3 | 101 | 1 | Til Aus iko | 8 | Pottin fren we fetra lu e |
| | | | 1 | i | Juto Lil | 8 1 | M Allford I to a Mark |
| | District Total | > 364 | 1 716 | 495 | Kım | | strip the ds |
| | martier rocar | | | | | | |
| | | | | | | | |
| Rungpore | Rungpore Nelphamati Kurigiam Gaibanda | 3 486 | 2,788 | 697 | Aus rico Juto | 16 ann 18 | All the bhidor crops suffered somewhat from the is |
| Bogra | Bogra | 1,448 | 1 013 | 202 | Λην 1100 · | 1) , | In 1 (1 of o the early part of the |
| | | | | | | | t little for an abul- |
| Pubna | Sudan | 957 | 717 | 286 | 1 Sino | ٠, | Sill A white i unusual flood before |
| | ļ | | 1 | | il Kı n | , | Sul i come to deflerent run at the tr |
| | Serajgungo | 890 | 61.7 | 200 | tute ful | 1, | th a was repening |
| | | | | | h on | 1 | |
| | District Total | 1,847 | 1 81 | 156 | | | |

| 1 | 2 | 3 | | 5 | ļ | 7 | 8 |
|-----------------------|-----------------|--------------------------------|---|--|---|---|--|
| District | Sub-division. | Total area of Sub division, | Total it a estimated to b undered tivation | Area indereul treation estimated to be un let blue toi er ps | N une of principal bihadoi crops | Lstimated outturn of blader crops expressed in annes | REMARES |
| | | Sq Miles | Sq Wiles | Sq Miles | Austica | | |
| Shahabad | Arrah | 915 | 717 | 77 | Mi / (large) D) (small) Kod Maton K ion Chan | } 4 a ma: | The crop was affected by excessive mainfall the trace of a wing and partly destroyed the time of harvest by floods. |
| | Buxar | 650 | 2%) | 21 | Aus rice, bajra taon main juan koto jou nan koto jou | 8 , | The cr p was affected by want of rain s wink this and in some parts by flood as n some parts by manda afterwards. |
| | Bhabua | 1,037 | זי 7 | 3 | til and sathi Micus jamera mri til, aus race | 3 ,, | Bhalm crops ware affected partly by the senty runfill in account partly by excessive ratiofall in August 1887 |
| | Sasse ram | 1,493 | 1110 | 126 | Maraa Sima Kolo | | 511 Tall 111 T MIN 1007 |
| | | | | , 8 | Uid Kaen Oilseid Indian corn Bajt c | | The crops suff and partly for want of rain a lun and a till from excessive rainfall an inundation in Aug ist |
| | District Total* | \$ lc1 | 2 84- | 26) | | | *A portion of the Kymore Plateau wild an mostly un ultivated is excluded |
| durbhunga | Sudder . | 1 223 | 1 163 | 315 | M kai Soma Kodo Marua | 12 annas 12 16 annas | The excessive rains during Bhadro and Asir which is the line for havesting mara injured that of pan some of the low land. The mai accrop however, suffered more. |
| | Lypur | 761 | 165 | 278 | Aus rico Wirina Wirina Wirina Sampa | 16 , 18 , 12 ,, 12 ,, 14 ,, | Of the 200 000 acres in bhalor about 87,5 is in mikin and about 87 500 is in maru. The rest is occupied by sima. |
| | Yadhahini | 1319 | 986 | 20_ | Gambii Miko Mariik Austico . | }16 ,, | |
| | District Total | 3,335 | 2 *56 | <u> </u> | | | |
| ozu llerpuz é, | Mozusterpur | 1,218 | 971 | 421 | 1 Marus ' Sathi ' Mulai ' Sania | | Malai suffered from excess of rainfalrat the |
| | | | | ا ۱۹ر | Kodo Aus rice Mak d | 10 annas | The exp was affected by exc as of rainfall a |
| | Haptepur . | 771 | C16 | | 2 Marua 5 Sims 5 Kado 5 Kaon 6 Urid | TV attitus | the ploughing and sowing was in, as also i delicing of tain b fore haivesting seaso (August and September 1887) |
| | Sitamarhi | 1,014 | 770 | 201 | 7 China 9 Janera 1 Wakai 2 Merua 3 Sathi | 12 79 16 } 14 | Makar suffered slightly from untimely rain a little more rain was wanted for eath crop |
| | District Total | 3,003 | 2,380 | 1 016 | | | |
| irus | 4mirtor | 860 | 848 | 919 | Makar kodo, ma- rus, janera. | 13] mms | The outturn of bhados crops was not full owing to excessive runfull at the time of sowing and subsequently on account of fleods, south ern wind also damaged makes to some extent Owing to want of rain in the end of June and |
| | *cwan | 853 | 725 | 242 | Makai, marua, | 14 ,, | Owing to want of rain in the end of June and beginning of July, and heavy rainfall subse- quently, the makar crops was small. |
| | Gopalgurge | 771 | 693 | 415 | Maken rice mis- cellaneous (not mamed) | 15 ,, | The state of the s |
| | District Total | 2 6.2 | 2 246 | 880 | | | |
| пппрегия | Yetiber | 1,518 | 1,306 | | Makaj Mathi, kodo, Chima and kaon. | 8 anms | Abnormal runfall during the month of August when the crop was above ground. |
| | Buttunh | 1,700 | 1,277 | 2,210 | Jenare 110 | 19 ,, | Deficient rainfull just as the corn was forming |
| | Distrat Total | 3,921 | 2,648 | 5,509 | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------|----------------|-------------------------------|--|---|---|--|--|
| District | Sub-division | Total area of sub division | Total area estimated to be under cul tivation | Area unde cul tivation estimated to be under blia ioi creps | Name of principal bhadoi crops | I st mit d cutturn of blin lot crops (xpr ssed in annis | Brnares |
| | | Sq miles | Sq miles | Sq miles | Makai | 10 annas | (1h mal r r r wh his the principal bleedo |
| Monghyr | Sudder | 1,559 | 1,091 | "" | 'hina kaon Chota Janera | | the many states of the many stat |
| | Beguserai | 76) | 576 | 946 | Makai Marun Kodo Kaon | 10 , | ther mst mbu last, when the |
| | Jamui | 158 | 1,053 | 263 | Nein a Minkai Chota Janera, Kodo Marua China | 14 ,, | |
| | District Total | 3 921 | 719 | 1 193 | | | |
| Bhagulpore . | | D'6 | 6,5 | 163 | Makui | 5 annas | Loss due to excess of rainfull past aft r sowing |
| Rhaguipore . | Sudder | , , | 000 | | China | 7 | s didning livest and shift rain between these sees is. The ps wire daring lly flow on dearable |
| | | | 0 to | 207 | Aus rice Makai | }6 10 | and I nich riting a law thurs le much renfall at sowing time and too |
| | Banka | 1,155 | 8'9 | | Aus ra v Varua Marua | 12 , 12 , 10 | hith later or |
| | Made hpura | 87.3 | 5(1) | 100 | Aus rice Makut | 8 , | Loss du 1st t too multrain at the sowing time of t a treek f dry weather late on 3r t, to excessive rain at baryest time |
| | Supoul | 1 27 > | 9 6 | 286 | Marua Aus rico Mukui | 10 ,, | I reessive rain interfer I with we ding, and rain was short when cars were I ming |
| | Distrut Tola | 4 768 | 306 | 825 | | | |
| Purneah . | Sudder | 2 573 | 1,929 | 486 | Ans rice Makai Moong . | 12 unnas 14 ,, 8 ,, | Ixees of ran full stortly after germanation a diagram little and list diagram to race Some Linux, was lit by the evenil we inversing July Marian in portant crop |
| | Arrarcah | 1.04} | 730 | 202 | 1 Ausreo 2 Jula 3 Marua 4 Mokui | 10 1, 6 ,, 16 ,, | suffer draud from environ I fillly westigned to meeticat by excessive a real intendiving of water in May i.e. its wing lacinal vivo naterially by in used by his values and a real and september. The second of jule to machinar about swing tree intends quant floods dwarfor the result of the file. |
| | Kissengunge | 7,340 | 1 005 | 120 | Aus rice Janura. | 10 ,, | 5 nd 1 S it jeste grvn mexcaeding! hipe jurities and kive at malyipid (1 (a) The weight remained during plough ing to the twist proper turbil terms sowing the threwes its sheet rangal during the threwest in the rip (c) Threwest in is also full during har veing the |
| | | | | | Jute | 10 ,, | () There was letten in Siden and and off suchst (1 berjut of July 1987) and hence the blad successive rain in the distance dumnaged the crep. |
| | | | | | Ans rice ba : n Indian corn. Jute Mulberry | 16 ,, | During ploud is fin the crops suffered to some extinctive in any framfult |
| | District Total | 4,958 | 9 de 1 | 968 | | | |
| Maldah | Whole district | 1,902 | 1111 - | 275 | | | |
| | | - Almera | | | | | |
| Southal Per. | Dumka | 1,420 | 713 | 178 | Maizo | 16 annas | |
| gunnahs. | Deoghur | 920 | 665 | 119 | Moong (pulse) | 12 " | |
| | Codda | 966 | 5/9 | 180 | Moong (pulse). | 16 , | |
| | Raimehal | 740 | 585 | 104 | Janera Moong (pulse). Maizo | 10 ,, | Affected by fleeds before harvest |
| | A Series | 07907 | 278 | 41 | Janera Moong (pt lsc) Maizo | 18 , | |
| | Jamtara | 096 | 506 | 126 | Junera Moong (pulse), Marzo | 13 ,, | |
| | Paleour | 683 | 800 | 120 | Jan ra Moong (pulse). | | |
| | District Total | 5,461 | 8,296 | 748 | | | |

| 1 | 3 | 3 | | 5 | | 7 | 8 |
|------------|--|----------------------------|--|--|--|--|---|
| District | Sub-division | Total area of sub-division | Total area saturated to be not to cul t val n | Area unfe cultivation of timated to unit had income to the timated | Name of principa | l stimute outtur et blindo ereps expresses in ninas | REWARKS |
| Darjeding | The Term | by ml s | Tt) Pimla | \square m les | Aus 11 c and jule | f annus | ()) a count of excessive ramfall both it ash ag and sowing true the crops suffered a great deal beauca had outturn |
| | kalimpong | 411 | 149 | 1% | 1151 1 | t mm is | |
| ń. | Durjoeling | 9(11 | 211 | a | Marii Kri M. I. i Marii Kari | 14 | 1) c. Bhador (1098 were affected by excession 111 dell |
| | District Total | | | | | | - |
| fulpigorie | Bykuntpore pergunnah | 4'3 | -1 | ¥ | Au i i | 11 mma 10 | On a ount of cassive runfille divisto to did not weed then corps in take hen different attum |
| | Bods pergun nah Patgram per gunnah | 1 46 | 11 | 4 | lu. | 14 11 11 | |
| | Mynagoore e teshil | | 1 , | | Arsii | ti | Soonalter the padds was sewn expessive ranger and continued faint at the weeks during May a lating last bene defount outling |
| | Pullacotta teshi Alipore tehsil | 1 11 | 1.5 | Jl | 1 1 1 1 1 1 1 1 1 1 | 1, | the influir wis affit d by oxe save tainfa whill crip was in tos full rop was slightly injured by itsouts |
| | District Total | | | 1 to | | | - |
| ecca " | Sudder | 1 (| 133 | (1 | Auct | - annas | (i) tyes so that hiddring sowing (a) By water custog floods |
| | | | | | | | i i |
| | Mana kgunge Munshigunge | 459 | JI 200 | 11 | An r c | 16 | the nur and ducha mere were stately affected |
| | | 3-1 | J.N. | | Aus (1 e 12 | 114 | by different channful at sowing time trees the best of both or epsen this suf- nish and it is extensively used as folded frontial. Tanks in which grass is grown if infrequently fitch a more rent that right files. |
| | Naraingung | 641 | s_0 | 146 | Su cr cm s | 17 , | 1 × ga) in reaped at the close of the rain × n is not used for manufacture of no lasses but is eaten as a sweetment |
| | | | | | | | |
| | District Total | 1717 | 1 119 | | | - | |
| ırnı dpon | Sudder | 860 | 6.5 | (1 | Aus 11ce, til | 12 annas | (1) The crop was damaged to the extent of 1 in resty deficiency of rain between sowing and harvesting () by the site |
| | Mudariput | 1/76 | 644 | 67 | Austice | 16 ,, | |
| | Goalunda | 428 | 5.1 | 80 | Λην της | 16 , | |
| | - | 2_64 | 1,647 | 107 | | | |
| Lorgunge | Parasat i rezepur i era skirsh Bir ha | 1,111 1 | 7 2 11, 677 30 | 108 62 1 65 79 | | 11 annas 12 5 8 . | The blades was damaged by floods, especially in Patuakhali and Blala, where the loss amounted to a partial failure of the crop. |
| | District Tetal | 8,149 | | 354 | | | |

| | | | , | | | | 1 = |
|-----------------------------|---|--------------------------------|---|---|--|---|--|
| 1 | 2 | 8 | • | 5 | 6 | 7 | × |
| Мампол | Sub-divisi n. | Total area of sub-division | Total area estimated to be under cultivation | Area under cul- tivation estimated to be un fer bli dir crops | Name of principl bhador crops | Fstimate outturn of bha ic crops ex 1686 in inna- | I RIMARKS |
| Mymensingh | Sudder | 8q miles 1,344 | Sq mili 1,093 | Sq miles 153 | Aus (10c vi) — (4) Hana (b) Bewlin (c) Boren (d) Baul in (c) Gynl | 15 nnnan | Deficient tain I in in thinnas Phulput, Ishwaig and ill ted the crop |
| | Atten | 1 041 | 780 | 117 | (f) Blindam Aus rice | 19 | Les see see see |
| | Jamalpore Netrokona | 1 '44 | 943 500 | 174 | Aus rec 11/ - | 16 , | I vecsare tumfall while the crep was riponing. The sudden fall of heavy show is of rain |
| | Necronome | 1 175 | 7,50 | | (a Bhild im (b) Chapla (c) Surjin ukhi (d) Buaham (e) Maislem (f) Fow ild im (g) Gynl (h) Bownli (r) Lol og in (f) Komak (hana | | during lum last su in 1-1 1 w lying lands sown with the rice therwise in outturn would have been 20 mins |
| | Kahengunge | 711 | 559 | 104 | Vus rici | 810 | The sudden rise of water in some places in June last had along it downwar loans |
| | District Total | F 288 | 1911 | 610 | | | sowi with auxine hin there p has been affected |
| 1 իրթաւն | Brahmanis ci h | 7 0 0 | 58.3 | 15 | Aus race | 18ann is | Commissioners remarks The theat e crop has yielded a bump record from affected by ony of the causes mentioned in column 8 of the property for the courses mentioned in column 8 of the property for the courses mentioned in the courses mentioned in the courses mentioned from the course of the property for the courses of the property for the course of t |
| | Chandpore | 540 | 446 | o ₁ | Aus rice | 16 | printed form this year stand libras and retine mark bee blw firt of the half extracter |
| | Comillah og Suddor Sub divisi n | 1188 | 639 | 126 | Ans rice | If m | th last ver liene better u in n. The outton + b + t f cryps in high lends was damig t to a critima even by in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critima even in the critical eve |
| | District Total | 3 147 | 1 532 | 31) | | | to insufficient rain |
| Noakholly | Sudder | 1,2 m | 9 7(b) 216 | 201 | Aus rice | 6 ann is | Demons of ranfall (b) I consider 817 sq and salt water man and the to be under dation affect d the estimated. The tel- auscreps in the charge let this been asked |
| | Ienny | | | | | 10 | parts it was very to fee putting the figures or good and on the solw. I would put |
| Parkers | District Iotal | 1 611 | 1 033 | 254 | | | where the utturn 973 osq and sat least |
| Chittagong | Sudder | 1,6 0 | 576 | 121 | Aus rice | 16ann es(1 | safter nt and well its fathor described with a set of council to the west of way affected at the described way affected at the described way affected at the set of t |
| | Cov s Bazar | 9.7 | 611 | | . 8 | | The Sub-divisional Office (constant) of the constant of the co |
| | District Total | 2 207 | 1,20) | 121 | | | f nly ra grewn |
| Crittagong Hill Tracts * | | 5,419 | 56 15 17, thout 30 20 act s 30 20 act s 5, 20 actes plough hinds | • | | | The jen paddy of was affected business with the larvest time vector from him to splender during which there has a second control of the larvest time vector from him to splender during which there has a second control of the larvest time vector from him to splender during which the there was |
| | District Tetal | 5 419 | 56 | | | | n dectare of 3 niches as a impued |
| Patna | Sudder | 617 | 4 55 | 54 | Makai and maini | 6 annas | the caps were affected by excessive from in the beginning and delication to wards the |
| | Dinapore | 143 | 107 | 26 | Do and kuloo | 12 ,, | havest the cris in the libin is wir affected by difficultion fill at havesting time and those in the dereway wish diway by flood, Affected by in other in cambell intiplomything |
| | Barh | 524 | 105 | 68 | Makai kaon jane- re, china mana | 10 | and its limpertly for d |
| | Behar | 7.18 | 650 | 32 | Marua kaon maksi, kodo | 10 ,, | Ix sails in half a very bad effect on the banderer pain lune (sowing time) |
| | District Total | 2,079 | 1,617 | 181 | | 38 | |
| Gya | Sudder Auransabad Nowada Jehamabad | 1,849 1,246 1,020 607 | 1,434 747 .65 508 | 87 | Makai Marua Kodo | s annas s | I record munt the cutset and deficiency of it afterwards was the cause of the short out- turn y |
| | District Total | 4,712 | 3,419 | 806 | | | |

^{*} It is impossible to give any estimate of areas in this district. The total number of houses in this district is 5 003; deallowing a jum for givery house with an average of 3 acres per jum, with a full average crop of 100 achees or 25 manuals per acre. In total outturn of jum is dis would be 700 000 manuals or about 50 manuals per house. This year owing to short rainfall the outturn is estimated at eight armass or half of an average represents in estimated at about eight manuals. This year the crop promises to be a full, verse crop and if rain does not fail in hartick, the crop will probably be a bumper one, or say 12 manuals per jum which would be a total of about 108 000 m ands of which about 120 000 would be available for export as an average price of its, 3 per manual, and which will more than compensate for the short the crop. The area of plough land 6 500 acres is allow that to affect the district in any way. The bhadof crop covers about one-third of the whole or about 2,000 acres, and like the jum crop has been equally affected by the short rainfall in June, July, and August.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 . |
|-------------|-------------------------------|--|---|--|--|--|--|
| DISTRICT | Bub division | Tetal area of sub-division | Tot Inrex estimate a 'o be ender ul tivation | Area under cul treat; n estimated to be under blad r crops | Name of principal blander or spa | Estimated outturn of bhador crops (x) ressed in annas | RPMARKS |
| | | by miles | Sq miles | sq miles | | | |
| Cuttack | ·udaer• | 989 | 593 | 123 | Aux 11ce | 9 annas | The ans rice was injured partly from want tan n sowing and shortly before harvesting |
| | Ranki Kendrapara | 111 | 44 836 | 1 170 | Do Do | 8 ; | time and partly from floods in mandated tracts The austric suffered from want of sufficient rain during the ploughing time and pice from |
| | Jajpur | 1 04 | 496 | 49 | Do. | 16 , | leave than during sowing time butto ditto. |
| | District let il | 633 | 1 991 | 111 | | | |
| Balasore . | . ¶ındd r Bhuddru k | 1,159 905 | 87 105 | 113 | Aus rae | 20 annus 20 | |
| | District Jetal | - 01 6 | 1412 | 63 | | | |
| Poorre | 'Sudder | 1,492 | 694 | 73 | 1 Aus ruc | 6 annas | Bhad i crops were very much damaged by |
| | k hordha | (10 | 786 | 30 | 2 Mandia 1 Aus rue 2 Mandia (chisme c racans) | 4 , | insufficient rain Ditte ditto |
| | District Lote | 2 1-2 | 1 093 | 1111 | | | |
| | | 2 116 | | | Marua Indum corn | 19 ann s | |
| Hanaterhagh | Giridih | | | (| l rid Marua | 7 ; | |
| | Head quarters | 4 '75 | | 1 | Indun-corn Und | 8 .; | |
| | District T tal | 7 021 | 2 (14,4) | | | | |
| I ohardugga | Sudder | 7 7% | 394 | Not knewn | Maran Makar | 14 annas 10 ., 13 , | A is not lightly injured at the time of sowing by excessive rainfall |
| | Palamow | 4 260 | 764 | Ditto | l rid Makai Marua Kadoo l rid | latin latin daken latin daken latin daken | Inducedue to unusually small rum'all in June and impossibly heavy rainfull in July. |
| | T | 12 011 | 4 70% | | | | |
| Manbho m | District T. tal | 803 | 251 | 29 | Junera Aus ru e | 16 arnas 12 ,, 14 , | The season was particularly favourable for the |
| | | 0 759 | 1755 | 358 | Bor kalar Do | 14 . | food for the lower orders of the people |
| | Sudder | 10 762 | 3 874 | 186 | | | |
| | District Total | | | | | | |
| bingbheom | Kolmu | 1 946 | 778 | 165 | M ikni banin | | (1) Aff ctcd by excess of rainfall before and after sewing time and at the time of flowering. |
| | Por hat | Odo | 198 | 20 | Kadoo Warna | 16 | |
| | Dhalbhoom | 1 147 | 688 | 206 | Aus rice Til . Und Moong | 12 (6) | (b) Affected by deficiency of raufall at the sowing time |
| | Khursawan | 145 | 58 | 11 | | 16 | |
| | Seraikilla | 139 | 175 | 85 | | 16 | |
| | Distric Total | 4 898 | 1,×97 | 436 | | | |
| | GRAND TOTAL | 150,008 | 96,821 | 82,759 | | | |
| | FIR THE WHOIR OF BENGAL | ************************************** | | | | | |

^{*}The area of the Nidder sub-division does not include the area of two chaklas as the ca—ongoes' reports were not received

btatement II.- Estimated outturn of winter Rice erop of 1887-88.

| 1 | 2 | 3 | 4 | 5 | ß | 7 | |
|---------------|---|-------------------------------|---|---|-----------------------------------|---|--|
| District | Sub division | Total area of Sub division | Tit dates estrat date brander cul treation | Total of cutivat dimite (sti mate t to be und r win ter ties ain in or hyminite | | Outturn of winter tree fpre vious veri expressed in anners | hi waraa |
| _ | | Sq miles | \q miles | Sq miles | | | |
| Burdwan | Sudder | 1 242 | 9 (3 | 711 | 12 anuas | 15 annas | Delicen v of runfull at the time of sowing |
| | Rancegunge | 671 | 211 | 171 | 10 | 12 ,, | ming Is pher be till nd wek el October I use vener rans wer gedand the actual out- turn was gedand the actual out- |
| | Cutwa Culna | 352 432 | 3 1 | 1 1 1 | 111 | 18 . | What I min his injust ust a Level the crop becaute mintall has serrously affected the annual |
| | District Total | 2 607 | 1 805 | 1 '19 | | | Deficiency in time at sowing fine and also in the latter half of the in its in season has had an injurious effect on the cip. |
| Bankoors | Sudder | 1,921 | 571 | 41,0 | Santas only of an average crep | linnnas | The ranfall ceased since Amoust last and the growth of the plants was an emergence much tetral down to write a sufficient most use. In high loads the |
| | D. L. manus | 700 | 280 | 224 | 10 annas | 14 , | away these in low leads also were affected to since after the delicency of a man the beginning of the |
| | Bishenpore District Iotal | 2 4,1 | 856 | | | | end of September has affected this cran |
| | | | | | | | consign rangy |
| Beerbhoom | Sudder Rump re Hat | 1 108 648 | 844 486 | 597 4-7 | 12 namas 12 , | 16 annas | Suffered from dia wht in September |
| | District Tetal | | 1 150 | 1 034 | | | _ |
| 2014/09/2004 | Sudder | 3,297 | 2 2(5 | 233 | 14 annas . | 16 annas | Owing to the discenses of the the crop is |
| Midnapore . | Conta | 819 | 5594 | 2 17 | Not less than 12 annas | 14 ,, | power this you the third dietyon. The property of crops an eved xecotim parts of Prinsput and Shagwanp of thouse where the crops usual rid liss through defective drain go. In them, Ragionathput the rainfall was nesulteent during the cultivat- ing season and was not concrete usefulneted. |
| | hattal | 321 | 200 | 117 | 10 annas | 16 | which caused inputy to the crops it that thana. There were no abnormal condition affecting |
| | lumlook | 620 | 465 | 12* | 16 ,, | 16 ,, | the cutturn of the crop as compared with that of the previous year |
| | District Total | 5 087 | | | <u> </u> | | |
| Howhly | Sudder | 442 | 265 | 106 | 10 annas | 16 กฎและ | Deficiency in ran fell has affected 6 annual as produing 6 of the non-crip excession |
| | Serampore . | 343 | 240 | 96 | 10 to 12 annas | 20 ,, | randall affected transsol to estimated out turn of last year s brimper c. p. (2) The heavy rains communed rather isterand were sently. If the ugh relicion both at ploughing swing an iding the time when the rice should be a foregrowing. The rain at the time when ears were forming helped the coop, but was too lete to prevent loss in some cases. |
| | Jehanabad | 438 | 242 | 78 | 8 annas | 16 | Phe rainfall led year was ab indant, but it has ben fellerent this year. The crop has conse |
| | Howrah | 173 | 131 | 113 | 12 ,, | 13 ,, | quently be a injuriously dicted. I'xcess of a midf and flois caused loss otherwise the actual outcom would have be a learn a property of rainfall and floods caused the loss. |
| | Ulluberiah | 303 | 251 | 200 | 12 ,, | 12 , | The crop this year was affected by scanty rainfall when the plants had grown up |
| | District Total | 1,699 | 1,149 | 503 | | | |
| 34-Pergunnaha | Sudder, includ- ing Barrack- pore and | 885 | 513 | 819 | 12 Runas | eannas | Rain was denount this year at the time of trouplants paint subsiquently last year the rainfield was extremely favour able. |
| | Buburbs. Diamond Har- bour.* | 417 | 321 | 311 | 16 , | 16 ,, | |
| | Burnet Bairbat Barnetrore Dum-D.m | 893 860 42 24 | 248 2-7 38 18 | 170 207 12 13 | | 16 ". 12 ". 14 ". | |
| | District Total | 2,120 | 1,405 | 1,111 | | | |

| 1 | 9 | | 4 | 5 | h | 7 | 8 |
|---------------|---|-------------------------------|--|---|--------------|---|--|
| Віятніст | Sub-division | lotal area of bub-division | Potal stea estract dita brand a cul- tivation | Total of cultivated at a ten mated to be under win et tie aman i hymanti | | Outturn of winter rice of pic vi us v i expressed in more | REMARKS |
| | 1 - | Sq n des | bq mics | Sq miles | | _ | 17 |
| Khoolina | Sudder | 69 70 | 5 #1 54 | 811 | 10 annus | 11 mn is | Great deficures of mainfall at time of trans |
| | Bujulat | (79 | 57 | - " | | | plant nz |
| | Distric I tal | 2 0-7* | 1.1 | 1 0, | | | |
| Nudde | Sudder | 701 | 111 | 101 | 6 annas | 2} 11 1188 | In Sudder sub de isen deflerent ranfall and fit ods have all cled they are southern. Lacy are swars so very small own gite toss by the |
| | Charlings | 1.7 | 215 | 51 | 1, | 8 , | In had men the wint of run has affected this years corp while last years we |
| | Kushtea | 55% | 115 | 104 | 10 ., | 8 | In Kushter the same remarks uppy and some |
| | - Contract | 1.3 | \$81 | 31 | 10 | 10 | hitle damage was done this year also be flows. Sometimes of the damage planching and trans |
| | Meherpore | | 2000 | | | | plating and a so subsequently has injurously all credith sy ar south a |
| | Ranaghat | 127 | 25/ | . 61 | b | 16 . | This ye is out un has been affected by want of pain. I ast year a suffered from fl. ds. |
| | District total | 2, 011 | 1 815 | | _ | | |
| 1 | Sudder | 859 | 513 | \$1. | (2 nmas | lo ann is | Scenty ramfall at the pionghing serso |
| Jessore | Bonk ng | 1.7 | 389 171 | 1.0 | 12 18 . | 6 19 | of the circo the present year liner wi |
| | Mag 10 The roda v | 17.5 17.5 | 2×1 | 31 | 18 , | 16 | iter the transplantation |
| | District lotal | 2 925 | 110 | | | | |
| | Audder | ~67 | 613 | 5 No. | 15 annas | 20 annas | D ficient runt II in Septem et and Octob |
| Moorshi dabad | Laibag | 172 | 2.38 | 12 | 20 , | 16 , | Sufficient and the ty marfall excession |
| | | **** | 030304 | | 1, | 12 | twitting the court of the court of the extent of the cour |
| | lun ij ire ka di | 509 512 | 411 | 5 21 | 10. | 12 , | in part d the grewing creps in some part of the them as Barwin and Bharathpore |
| | District Lital | 21,1 | 1151 | 7-1 | | | Structure to the forms and the structure of the structure |
| | | | | | | | |
| hmgepore | Sudd r Sub | 3 251 | 1 10 | 47- | li annas | 18 ann is | |
| | Thikingian Datret T til | +115 | ' | -115 | 16 , | 1+ | |
| | | | | | | | |
| Haj-holo 3 | Sudder | 931 | 68) | 314 | 11 unnas | 14 annas | some of the low groatd acts of this year a |
| | 100 A | | | | 12.5 | | will as list victions demaged by excessive |
| | Nowg mg | 817 603 | 101 | 421 222 | 12 5 | 12 , | |
| | District In 1 | 2 364 | 171 | 9) | | | |
| | | | | | | | |
| ungpor | Suddet Velchamari Kungana Canbanda | 1 188 | 2,798 | 2.091 | 16 ann 14 | 18 anns | There were no abnormal conditions affect the the man Cop either had year or the Co. In the pole hands in the district both bhade |
| orts | Віків | 1 448 | 1,013 | 607 | 14 ,, | 16 , | and aman ties crops are grown in totation t bumper crop is expected |
| սեղաչ | Sudder | 967 | 717 | 490 | 16 , | 19 | Printell Law (1980) Some March of the Printell |
| • | Serajgunge | 840 | 667 | | 16 ,, | -0 1 | Ramfall has been sufficient and we distributed |
| | Instrict Iotal | 1 817 | | | | | |
| arjecling | Fbe Term | 203 | 159 | 17 | 10 annas . , | 13 annas | On account of deficiency of rainfall in the |
| | Kalimponk | 4oti | 394 | 60 | 10 ,, . | 10 ,, | months of Sravan and Handen, i.e., at translating inne, the outturn of this or p is let than the tof last tear this crop down not grow in the Sudder an Aure in 1 principalities to such an extent a |
| | | 1 | | | | | would come under an estimate. |
| | Darje ling | 306 | 714 | | | | • |
| | District Total | 925 | 7.6 | 80 | | • | |

^{*} This excludes portion of Sun terbans lying in this district, viz., 5,809 sq tare m."

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | , 8 |
|--------------|--|--------------------------------|---|---|--|--|--|
| District. | Sub-division. | Tot: I area of bub division | Total area estimated to be under cultivation. | Total of cultivated area esti- mated to be under win- ter rice, aman or hymentic | Estimated outturn of coming rice crop expressed in annes. | Outturn of winter rice of pre vious year expressed in annas | Rhmarks. |
| | | Sq miles | Bg miles | 5q miles | | | |
| Julpigores | Bykantpore | 429 | 231 | 39 | 12 annas | 14 annas | 1 |
| | Pergunnah Boda Por- gunnah | 402 | 261 | 104 | 10 ,, | 14 | The last year's crop was partially affected by |
| 1 | tatgram Per | 66 | 60 | 27 | 10 " | 14 ,, | <u>, </u> |
| | Yynntort Tehsil. | 524 | 157 | 117 | 10 ,, | 16 ,, | The crop has sufficient from insufficient rainfall. The last war's crop was partially affected by |
| | Fallacotta | int known | | | 10 , | 14 ,, | high winds The winter eren suffered from deheanes of |
| | Tehsil Alipore Tehsil | 1 391 | 125 | | 14 | 16 | rainfall at the time of transplanting |
| 8 | District Total | 2 #32 | 814 | 287 | | | |
| Dacos | Sudder | 1,246 | 6,3 | 217 | 14 annas (a) | (b)13nnn88 | of writer at first and to want of water subse- quently (b) Due to the unusually heavy floods last |
| | Mana kgunge Munshigunge | 489 401 | 366 200 | 240 40 | 8 (c) | 16 (d)16 , | (c) The amaz paddy was affected first by deferency of randall at the cuts tot agricultural pera ions and subsequently by floods particulary in themials trinagar |
| | Naraingunge | 614 | 320 | 128 | 15 , (ε) | (J)15 ., | (d) Though there was a very havy flood last year but the amin piddy did not ultimately suffer on the whole (c and f). Much c image was done to the cip last year by excessive run and flood the same causes have done some dannage. |
| | District Total | 2,797 | 1,519 | 625 | | | this year in kupkungi |
| | | | | | | | |
| Furreedpore | Sudder Sub | 860 | 602 | 451 | 16 gnna3 . | 16 annas | |
| | Goalundo • | 976 \$628 | 644 321 | 16) | 16 , | 16 | |
| | District Total | 2,261 | 1 567 | 1 048 | | - | - |
| Backergunge | Burrent | 1111 | 722 | 505 2 10 | 16 annas | 14 annas | . The crop of last year suffered from flooding as transplan matume two or three successive |
| 5 D | Perorepur Patuakhali Bhola | 1,231 615 | 415 677 | 675 299 | 16 18 18 | 14 14 . | fransplantations being in some instances |
| | District Total | 3 640 | 2 213 | 1 009 | | \ | - |
| Mymonsungh . | Sudder . | 1,884 | 1,098 | 396 | 14 annus | 11 annas | Deficient rain during transplanta ion affected |
| mindremen. | Attia | 1,003 | 780 | 351 | 17 ,, . | 17 | the crep |
| | Janualpore | 1,244 | 963 | 349 | 13 ,, . | 10 | Deflecent rain during sawing time affected the crep as we the case last year. Want of tainfull a Sentember last as well as |
| | Netrokona . | 1,875 | 5.00 | | 14 ,, ., | | Want of tainfull a September last as well as damage by insects in a me places affected tho crop |
| | Kissengunge | 744 | 558 | 209 | 10 ,, . | 10 ,. | Deficient min at ploughous fine of submer- si neff the plants by sudden rise of waster in July affected the crop |
| | District Total | 6 788 | 8 914 | 1,416 | 13 40 | 12 (0 | |
| | | | | | | | Collecters of Deputy Commissioner s remarks remarks |
| Tipperah | Brahmanberiah. | 769 | 503 | 359 | 14 annas | 7 annas | Column 6 In aman Column 6 I would be the crop at 14 mass and the part of water his sudd in the crop at 14 mass and the crop at |
| | Obsardpore | 580 | 408 | 203 | 14 | 14 ,. | greatly affect d Deficiency of ramfall is hiely to demage it rops on the high lands |
| | Commiliah or Sudder Sub- division. | 1,138 | 633 | 48 | 18 ,, | 12 ,, | ien annaş is a low es- tamate, and it will probably be neare: ta. |
| | District Total . | | 1,594 | 1,005 | | 1 | |

| 1 | 2 | 8 | 4 | | 6 | 7 | | 8 |
|---------------------------|---|-------------------------------|---|--|---|--|--|---|
| District | Sub-division | Total area of sub division | Total area estimated to be under cul- tivation | fotal of cultivated area esti mated to be under win ter nec amorer | I stimated outturn of coming lice of expressed in anuse | Outturn of winter rice f pre vious year express d in annes | Collect 1 s or Deputy | Commussioner's |
| | | | | hymant t | | | Comm ssi ner s | remarks |
| Noakholly | Suddet Fenny | 1 298 313 | 817* 162 | Sq. miles C12 16 | 16 annas | 18 annas | Definency of rain at a longhing time (growing time) affected the crops and it however did good to the crops in low lain is which has appeared to give a bumper market and the recent rain has done to the crops in th | I consider 817 square miles to be under est- mated. The Collector has been asked to state his grounds for putting the figure so low I would put 9°35 square miles at least. Column 5. The cor- rect area is proba- bly over 162 square |
| | District Fot il | 1 641 | 1 055 | -7: | | | | miles, but not much |
| Chattagong | Sudder | 1 630 | 171 | 915 | 12 annus | 6 annas | | (olumn 6. The crop will be at least 12 nums. The Collec- tors estimate is far from sanguine |
| ie dan | 01 | 0,17 | | 41. | 110 | 16 | Column 7 Actual Cetturn Was six anno- sim domage was- dingt the person of the very very serial views to Note per enth sub- pert was submitted list very Planting was impeded | Column 7 The crop was better than re- presented here, and should be put at 10 annas at least |
| | Cox 4 B zar District Total | 2 (* | 1 10 | | | | to the sheet run all in June But the last the last the last the last the last the last the last the delta the last the delta the last the | |
| Chittagong Hill Tracts | | 5 (1) | | 5 | 1' 971004 | 16 innas | the start runfall in July and Agas when the ric wi Ling transplicated affected the cope List year with d 70.24 network and Angulf | |
| Patna | Sudder | 617 | 455 | 201 | 10 °0 annas | 11 annas | | ficent rain from the |
| | Dmapere | 113 713 | 107 405 | 8 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8.02 | 16 17 13 | Dut Dut Dut | ditto |
| | Behar District Total | 2,070 | 1 (17 | 901 | | | () In the last year th | ditto crops were to some flood throughout the |
| Gya | Sudder Aurungabad Nowadi Jehanabad | 1 839 1 41 1 0 0 607 | 1 1 4 747 7 7 503 | 8 1 1 175 16 | Cantas | 10 amms 16 , 16 , 16 , 16 , | d stret The deficiency of consistent the test also consistent to the test also consis | |
| | District Tot 1 | 1712 | 1111 | 217 | | | this year | a 6 5 |
| Shahahad | arrah Buzar | 915 956 | 777 236 | 118 | 1_ annas | 18 an n ts | trived the vourse seed in in 1 fth season A rain from the middle middle of October die unigated the espec re is sething helf the will reduce an avera- divisional Officer than | ns grass hoppers desings at the commence- fig that the want of of 5 prember to the of great harm to the really. The arrigated area is de cultivation, |
| | Bhabus | 1 037 | 725 | 362 | | 12 , | Witti the affected ow at the time of sowing | hence decrease |
| | Passeram District Total | 4 101 | | 1 465 | 9 | | Ditto | dillo |
| Dua bhang a | Suddet | 1314 | 1,155 | 750 | 18 apras | 13 nunus | In the beginning of the about and go ural area was xto add to well till the temporar last week of be ptember October, in a usequen annus of the bumper rain in the second week the rest from all furth | , hence the cultivated the utmost All went failure of run in the and the flist week of e of win h about two crop were lost The k of October secured |
| | Та́јрога | 746 | 665 | 145 | 14 ,, | 6 to 8 snnas. | The rain on or about saved the crop over and made it 16 a ons a bumper crop had the earlier. The rainful other half of the sub-d | the 1sth September half the sub-division It would have been a rain fallon ten days was deficient in the |
| | Madhubari | 1,282 | 936 | 681 | | 14 annas | The crop would have be | en a bumper crop but |
| 1 | District Total | 3 5 0 | 2,756 | 1,576 | | | for the fallure of the | nathiya rains. |

| 1 | 2 | 8 | 4 | 5 | 6 | 7 | 8 |
|-------------|---|-------------------------------|--|--|---|--------------|---|
| District. | Sub-division. | Total area of sub-division. | Total area estimated to be under enlivation. | Total of cultivated area esti- mated to be under winter rice aman or hymantic | Fatimated outturn of winter rice (rop., expresse, in annas | | Remarus. |
| | Ī | Sq mks | Sq miles | 8q miles | | | |
| Mozuflerpur | Mozufferpur | 1,218 | 974 | 608 | 16 annas | 12 annas | The run of Oct bur did material good to the rice crop last year the crop was affected by mand to a |
| | Hajcepur | 771 | 616 | 123 | 10 ,, ., | 12 | the vang rat suff r t from the excess c |
| | Sitamarhi | 1 014 | 770 | 456 | 16 ,, | 18 ,, | ciency in September and () tober |
| | District Total | 3 (10) 3 | 2,360 | 1 188 | | | - |
| Sarun* | Sudde r | 098 | 848 | 212 | 12 annas | 13 annas | Owing to excessive mainfull at the Dime of training plantation and for want of main in September pidely crop suffered to Semi extensional September 1 and 1 |
| | Sewan | 853 | 725 | 181 | 16 " | 20 , | The high land pad is suffered a little own |
| | Gopulgunge | 771 | bi l | 103 | 12 ,, | 16 ,, | t) want of rang. |
| | District Potal | 2 622 | 2 100 | 496 | | | |
| Chumparun | Motihari | 1,518 | 1,366 | 611 | 16 annas | 12 annas | The deficiency is due to defice at minfall during the month of 8 ptember |
| | Bettinh | 1,703 | 1 277 | 638 | 12 " | 14 ,, | There was no rainfell during the Harry Nichholer this verwhich cased the ded conver In the previous year there was very professionary to transmission and the co- wise consequently 1 for than that of the |
| | District Iotal | 3 221 | - 2 613 | 1 252 | | | year year |
| | | | | | | | |
| Monghyr | Sudder . | 1,559 | 1 091 | 436 | 14 annas (a) | 11 annas | (a) The winter recon high lands suffer dit seme striff want of run in the latter part (1 Septen 1 |
| | Begusei ii | 769 | 576 | 17 | 10 ,, (b) | 2114 | (b) laddy is grown to a very limited and and |
| | Jamui | 1 593 | 1 002 | 698 | 10 ,, | 16 annas | then othern part of this sub-division |
| | District Total | 3 921 | 2711 | 1 167 | | | - |
| Bhagulpore | Sudder . | 936 | 6.5 | 327 | 12 annas | 11 annas | loss due to shata a m Septen ber and first part f Oct by the late to will sever geories head when a but that on high land |
| | Banka | 1,185 | 82) | 497 | 12 ,, | 16 , | Will Still by Short |
| | Madchpura | 872 | 566 | 339 | 13 " | 13 " | Thank a Sudd a |
| | Sarpole | 1,275 | 956 | 573 | 15 ,, | i. | outh dam juta. The epace the ground has been such that from It is day very united properly transpire them three to either to the lead ught to an apert to perhaps have seen as a series. |
| | District Total | 1, '69 | 3 006 | 1 736 | | | eter high unit' w tog the |
| Purnesh | Sudder | 2 572 | 1 929 | 48 | 14 annas | 14 annis | |
| | Arisicali | 1,011 | 730 | 452 | 19 " | 18 . | Excessive flods agus d the crop in August |
| | Kissengunge | 1,349 | 1,005 | 502 | Between 13 and 14 annas. | 13 . | and Sept more There was no sufficient run during the frams plantial into mild a citari westings- plantial so which it is not it is expected the relation to within a short type Rental was a real in a previous your and it dear all of the crip at all |
| | District Total | 4 101 | 5164 | 1,136 | | | 2 4 2 |
| (aldah | Whole district | 1 1013 | 1,131 | 231 | 16 annas | 20 nnn 18 | |
| onthal Per- | _ | 1 42 | 711 | 490 | | 16 minas | |
| guinahs. | Deoghur | 950 | 663 | 465 | 16 ,, | 16 , | Seinty rain at and since transplication |
| | Godda Rajmehal | 046 710 | 579 515 | 325 851 | 12 ,, | 18 | Rum searly of transplotter n and since Good run and improved the prospects |
| 76 | Jaintura Pakaur | 683 | 278 50d | 303 | 14 ,, | 13 " | Want of ram at transplant tron |
| | District Total | 5, \$01 | 3,200 | 2,173 | | | |
| attack | Sudder Banki Kendrapara Jajpur | 989 116 1 4 '4 1,104 | 59 t 49 85 t 496 | 341 | 12 " | 16 , 15 , | The loss is owing to consistion of rain from the |
| 9 | Dutrict Total | 8,633 | 1,991 | 769 | | 7 | |

| 1 | 1 | 8 | • | 5 | 6 | 7 | 8 |
|------------|--|------------------------------|--|---|--|--|---|
| DISTRICT | Ցրի-վւյլսխո | Total area of sub-division | Fotal area estimate q to be under oultivation | Total of cultivated area esti mated to be under win- ter 110e aman or hymantic | Bstimated outturn of winter nee crop expressed in sums. | Outturn of winter the of previous year express d in anness | Ramabus. |
| | | 8q miles | Sq miles | Sq miles | | | |
| Ralasore | Sudder . | 1,158 | ₩i | 778 | 16 annas . I | 20 annas | Owing to deficiency of ram at the time of the crop coming into ear, and at the time sowing in some places, only an average out |
| | Bhudruck | 908 | 601 | T 1/2 | 16 ,, | 20 , | s wing in some places, only an average out turn is estimated. Otherwise it would have been as in last year. |
| | District Total | 2 066 | 1,493 | 1 570 | | | |
| Pooree | Sudder | 1 142 | 6048 | 471 | 7annas |) annas | The wint reast erop (sarad) was very much |
| • | Khoorda | 910 | | 857 8.4 | 10 , | 10 | time time of transplanting and weed |
| | District Total | 2 479 | 1 004 | | | | ing In previous our life crop was damaged wing to the excess rainfull at the time of the crop coming into ours and also at the |
| Hasariba b | Giridih | 2,44 | 2 060* | | (I) 9 annas | 14 annas | (1) Suc the reports from which this estimate was prepried were received some rain fell |
| | Head quarters | \$ 577 |) | | 1 (1) 9 , | 10 , | which has ma trilly benefited the rice orop it is a wexpected that the outturn will reach L annua |
| | District Total | 7 021 | 2 000 | | | | TO BE IT TO STITLES |
| Lohardugga | Sudder | 7,784 | 3 457 | Not knows | 12 annas | 15 annas | Vers little rain at a wing time and copions fall at the end of the rains season which |
| | Palamow | 4 260 | - 56 | Ditto | 12 ,, | 11 , | cles a rath rearly |
| | District Fotal | 1.04 | 1713 | | | | |
| Manhhoum | Govindpur | 813 | 289 | 132 | 10 nnnas | 12 andas | The ramfall this year was very fitful. The rams were generally speaking late in coming and in some derible part of the district the |
| | Sudder | B 820 | 8,583 | 1 643 | 10 , | 12 | I do hishe ric lands remained to a large extent uncultivat d. Hen there was a com- plete cost to of rain for some time in the latter end. I september and the crops on the higher higher first much marry. But to |
| | District Total | 10 76 | 8 47 6 | 171 | | | the rains in the tober the pristact would have been the glo my the lat "aims have done in terms sood an there is now in the need anothing like scarcity. In the beginning of September are in e.w. seeling at 30 seems for aught. All through Soptember the price |
| Singbhoom | Kolhan Porahat Dhalbhum Khursawan | 1 946 660 1,117 145 | 778 1 % 699 68 | 11¢ 19 137 | 12 13 10 8 | 12 " 12 12 12 13 | rost till 6th and 7th matant, it was 19 seers a rupe. It has since fallen to 21 sters Deficient rainfall during September and Octobr |
| | Seraikilla District Total | 4.18 | 1 597 | - 21 | 10 | 12 , | |
| | GRAND TOTAL POR 1 SRWHOLE OF BENGAL | | 96,821 | 42 977 | | | |

^{*} Taken from Mr MacDonnell s work on food-grain supply

THE subjoined report is published for general information.

W. B. BESTIC,

Under-Secy. to the Govt. of Bengal,

P. W. Dept.

QUARTERLY INSPECTIONS OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 21st January 1888

From -T H. WIGHIS, Esq , and H CIOTIE. Esq.

To-The Secretary to the Government of Bengal, Public Works Department

We have the honour to report that, in accordance with the orders conveyed in the Government of Bengal's No. 43M.P.I. of the 5th instant, we made the third quarterly inspection of the works in progress at the Kidderpore Docks on the 12th idem.

2. We enclose the usual tabular statement and index plan showing the work done during the quarter, and the total amount executed, which have been prepared by the Superintending Engineer in charge of the Dock Works.

3. The state of the works on the 31st of December last was as follows: -

TEMPORARY WORKS AND PLANT.

Arrangements have been made for laying a line of rails along the boat canal bank, and so connecting the Dock Works and the Akra brick-fields with the Eastern Bengal State Railway system, thereby relieving the block in the traffic on the existing riverside line and its extension to Akra.

PLEMANENT WORKS.

Sixty-feet Lock.—Considerable progress was made with the excavation, 21; lakes of earth were removed during the quarter, and a good start was made in laying the foundations. The work is being pushed on vigorously.

Tidal Basin.—16; lakhs of earth were excavated, and the construction of

the walls will now shortly be proceeded with.

Dock No. 1.—One thousand four hundred and fifty-six running feet of quay wall were founded during the quarter, 7² lakhs of masonry laid, and 8 lakhs of earth removed. This progress was attained, notwithstanding the difficulties that occurred from time to time owing to slips

Boal Canal.—This work was resumed at the close of the rains, and 29 laklis

cubic feet of earth excavated.

Expenditure.—The total expenditure up to the end of the quarter was Rs. 71,10,286, of which Rs. 49,12,493 were on account of works and Rs 21,97,793 for land.

SANITARY.

The health of the work people continued to be satisfactory. The average number employed was 7,816, amongst whom there were 34 deaths reported, giving a death-rate of 17.5 per thousand. The sanitary arrangements connected with the works are under the control and supervision of the Medical Officer of the Dock Works

GENERAL REMARKS.

We consider that the progress of the work has been very satisfactory, and that, as far as can be judged from a quarterly inspection, the quality of the work is all that could be desired.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 28th January 1888.

| N | io. | District an retur | | 18 | Rainfall at Sudder Stationin inches. | Character of the weather and state and prospects of the crops. |
|------------------|------|-------------------------------------|--------------------|--------------|---|---|
| BE | NGA | L. | | | | |
| | | Western . | Districts. | | | |
| | , 1 | Burdwan, | Jan. 28, | '68 | 0.4 | Weather-cloudy and cold. Prospects of crops fair. Prices stationary except |
| | (| Raneegun | ze | | 0.08 | at Ausgram, where they have risen. |
| ÷ | 2 | Bankoors Bishenpur | ,, 28, | ' 8 8 | 1·16 [1·62 | Weather - cold and cloudy. Rain has been beneficial to the rubbi crops which promise a fair outturn, and has also enabled the cultivators to plough the fields for paddy. Prices continue stationary. |
| BURDWAN DIVE. | 3 | Beerbhoom Rampur F | ., 28, | *88 | 0.3 <i>s</i> 0.29 | Weather-cold and cloudy with drizzling rain. Prospects of rubbi good. Sugarcane pressing commenced. Price of grains stationary; that of salt increased. |
| RDW |) 6 | Midnapur | ,, 28, | '88 | | Weather-cold; some heavy showers. Rubbi and boro doing well and should |
| βΩ | 1 5 | Hooghly | " 28, | '88 | 1.03 | generally benefit by the rain. Weather—cloudy and at times rainy. Rain will benefit most of the crops on |
| | 1 | Serampur | | | 0.50 | the ground, but damage some. Prospects generally good. |
| | | Jehanabad Howrah Ooloobery | ,, 28, | '88 | 0·97 1·52 | Weather-clear and cold. Amus crop nearly all harvested. |
| | 2 | Central | Districts. | | | |
| | , 6 | 24-Perghs. | Jan 31, | '88 | 1 36 | Weather-cloudy and rainy during the first part of the week; now clear and |
| | (" | 22.20.8 | | | | unusually cold. Harvesting of amun nearly complete. Rubbi crops prosper- |
| PRESIDENCE DIVE. | 1 7 | Nuddea | ,, 28, | '88 | 0.61 | ing. Cutting and pressing of sugarcane still going on. Weather—seasonable, but cloudy and rainy at times. Prospects of winter crop |
| 7 |) 8 | Ranaghat Khoolus | ,, 28, | '88 | 0.79 | favourable. Rain wanted in the Chuadagga sub-division. Cutting of sugar- |
| N N |) - | | | | | cane going on. Weather seasonable. Harvesting of amuds till continues. Winter crops doing well. |
| 3811 | 9 | Jessore Jhenidah | ,, 28, | | 0.06 | Weather -ccol and cloudy. Amun harvesting nearly over, teroral showers during the latter end of the week have done much good to the winter |
| PE | ١ | Bongong | ,, 28, | ••• | 0.22 | crops. |
| | \ 10 | Moorshedabad Kandhee Jungipur | 1, 20, | | 0.28 0.57 0.0 | Weather—cloudy and drizzling rain at intervals. Outturn of amus good. Rubbi crops promising. |
| | 111 | Dinagepur | Jan. 28, | '88 | 0.10 | Weather-cold and cloudy. Harvesting of winter rice not yet finished. Mustard and tobacco doing well. Rice selling at from 20 to 24 seers per |
| DIVE. | 12 | Rajshahye | ,, 28, | '88 | Nil | rupec. Wenthergenerally cloudy with forgy mornings. Harvesting of gmus nearly |
| | 12 | Rangpur | ,, 28, | '88 | 0 07 | finished. Rubbi crops good. Prospects of ganja good. Weather-sky cloudy. Rain is wanted. Mustard is being gathered, and land |
| HA | 1.0 | l land by the | ,,, | | 15555.5 | prepared for jute and aus. Prospects of crops good. |
| RAJEHAHYB | 14 | BogTa | ,, 28, | '88 | 0.07 | Weather—cold and cloudy. Amun is being harvested. Pressing of sugar- cane proceeding. Gathering of mustard nearly over. Prospects of cold- weather crops good. Price of rice stationary. |
| | | Pubna | ,, 28, | '88 | 0.18 | Weather-cloudy with slight rain. Prospects of crops good. |
| | | Darjeeling Julpigoree | " 28, " 28, | '88 '89 | 0·36 0·64 | Occasional fall of snow, sleet and rain. State and prospects of crops good. Weather—very cold; cloudy for the last four days with rain on 26th and 27th. |
| | | o a.p.go.ov | 20100 | 1 | | Harvesting of winter rice nearly over. Standing except doing fairly well. Land is being prepared for ans. Common rice 20 seers per rupes at the |
| | | Eastern 1 | Districts. | | | Sudder station. |
| DACCA DIVISION. | 18 | Daces, | Jan. 28, | '88 | 0:95 | Weather-very cold and cloudy. Rubbi crops doing well. Mustard and kalas are being harvested. Pressing of sugarcane going on. Ploughing for aus paddy commenced. Boro paddy being planted. Fodder reported to |
| 1 | | | 60 | ,,, | 0.60 | be insufficient in a few places. |
| 7 | 19 | Furreedpur Goalundo | ,, 2 8, | '8s | 0.86 0.40 | Weather—cloudy and rainy for the last three days; cool. Cold-weather crops doing well everywhere. Prices moderate, |
| 2 | 20 | Backergunge Mymensingh | ,, 27, | '88 '98 | Nil | Weather—seasonable. Prospects of crops good. Weather—cloudy and cold. State and prospects of all crops satisfactory. |
| a (| 21 | | | '88 | 2.86 | Weather—variable. Tea and winter crops benefited by rain. Prices stationary. |
| . [| 23 | Noakholly | Jan. 31, ,, 27, | | 0.03 | Weather—a little warm in the early part of the week; latterly cloudy with some rain. Rubbi crops doing well. Amun harvested. |
| E | 24 | Tipperah | " 26 , | '88 | Nil | Weather—cloudy and cold. Harvesting of sugarcane still progressing and that of rubbi crops only commenced; good outturn expected. Standing |
| CHITTAGONG DIVE. | 25 | Chittagong Hil Tracts. | 1 " 24, | '88 | Nil | crops doing well, but a shower of rain wanted. Weather—very cold from about 10 P.M. to 10 A.M. Heavy morning fogs continued up to 22nd. Cloudy in the morning during last two days of the week. Bright and sunshiny during the day throughout the week. A little rain last night (23rd). Hervesting of mustard has begun very generally. Other cold-weather crops doing well. Pressing of sugarosase |
| 5 (| | Hill Tipperah | " 25, | '88 | Nii | weather—seasonably cold; sky cloudy at times. Prospects of sugarcane and mustard good. No other important crop in the field. |

| N | lo. | District an | | Rainfall at Sudder Station in inches. | |
|---------------------|-------|-----------------------|----------------|--|--|
| ŖE! | HAR, | | | | |
| | 26 | Patna | Jan. 28, | '88 0.80 | has done much good to the rubbi crops. Prespects of poppy fair. Price |
| | 27 | Gya | ,, 27, | '88 1.64 | stationary. Weather—cool and cloudy. Threshing of paddy nearly finished. Rain he benefited both rubbi and poppy, but poppy has slightly been injured by ha in the Nawada sub-division. Optum is being extracted. |
| • | 28 | Shahabad | ,, 28, | '88 0.99 | Weather- cloudy and rainy almost the whole week, latterly cool and clea |
| i | | Buxar | | 0 95 | |
| |) | Sasseram Bhabuah | | 110 | |
| | 29 | Durbhunga | ., 28, | | |
| 4 | 80 | Moznfferpur | ,, 28, | '88 0.74 | Weather-cloudy and rainy. Early rubbi in ear. Rain beneficial to popp |
| | • | Hajipur | | 0·29 | indigo and late rubbi sowings, but injurious to tobacco. |
| | 31 | Sarnt. Sewan | ,, 28, | 0 22 | Weather—cloudy throughout the week. Prospects of rubbi continue good Poppy in some places is reported to have been attacked by blight. Land |
| | | Gopalgung | 0 | 057 | are being prepared for indigo. |
| 0,000 | 82 | Chumparun | 23. | *88 0.35 | Weather—cool and cloudy. Rain has been beneficial to rubli crops to son extent. Poppy plants flowering. Prices slightly rising. |
| | | Monghyi | Jan. 28, | '88 0·54 | |
| | 88 | Beguserai | | 0.72 | beneficial to the standing crops; but some damage to pulses in flow r |
| | | Jamui | ,, 28, | 0.87 '88 0.31 | |
| THE PROPERTY. | 34 | Banguly ur | ,, 23, | 30 001 | standing crops are doing well, and the rain has benefited them. Suga cane is being pressed. Tori (mustard) being reaped. The rain has pre- |
| 4 | | | ,, 28, | '88 0:16 | bably been general throughout the district. Weather—cloudy and cold. Tobacco and mustard are being cut and turnin |
| | \ B5 | Furnesh Kishengun | | 0.08 | out fairly. |
| | 86 | Arrareah | | 0.14 | Weather-changeable; generally cold, cloudy and foggy, with occasional an |
| | 1 | Maldeb | 28 | '88 0.02 0.07 | |
| | | Chanchal Shibgunge | | 0.4 | doing well, except in thanch Kharba, where insects have done hard Transplantation of boro paddy has begun. Common rice selling at a average of 21 seers per rupee. |
| - 1 | | Southal Pergh | s. ,, 28, | 88 0:43 | Weather-cloudy and damp with slight showers. Prospects of crops un |
| | 87 | Deoghur | . 1 | 0.32 | changed; rain not sufficient to cause much improvement. |
| | | Rajmahal | | 0.09 | |
| R | ISSA. | | | | |
| | 88 | Cuttack | Jan. 27, | | places. Datus rice doing well. Common rice sells at 19½ to 21½ seer per rupee in town. Rain injurious to mango trees, which are in blessom. |
| CEISSA DITR. | 19 | Pooree | ,, 26, | '88 Nil | Weather—seasonable. Threshing of sarad (winter rice) continues. Datace crops are doing well. Common rice 24 seers 3 chittacks per rupee in the Sudder sub-division and 25 seers 11 chittacks in the Khoorda sub-division. |
| , | 40 | Balasore | " 27, | '88 0.19 | weather—cold and cloudy. Harvesting of pa dy completed. Threshing goe on. Rubbi crops are being gathered. |
| H | | NAGPORE. | | | |
| | Sout | h-West Frontie | r Agency. | | |
| | 41 | Hanaribagh, | Jan. 27, | '88 1·10 | Weather-cloudy and cold. Rain on the 23rd and 26th. The hail which |
| | 7. | | | | accompanied the rain of the 26th will cause slight damage to the mustard and wheat in car, while the rain will improve prospects generally. Sugar-cause continues to be pressed. Cattle-disease still prevails. |
| • | 42 | Loharduggs | ,, 28, | '88 0.59 | Weather-cloudy and rainy. Prospects of rubbi fair. Prices steady. |
| | | Palamow | 97 | '88 0 02 | |
| | 48 | Singonoom | " 27, | 88 002 | Weather-rainy and cold. Rain has fallen all over the district. It will improve the prospects of the rubbi crops still on the ground, such as grain and pulses, and will also allow the ploughing and preparation of the ground for the next sowings. |
| CROTA NAGRONE DIVE. | | Manhnoom | ,, 2 8, | 11 | Weather—cold, cloudy and rainy for the most part of the week. Sugarcane is being cut and goor manufactured. Prospects of cold-weather crops improved by rain. Mustard indifferent. Rice selling at from 16 scors per rupee at Jhalda and Jeypore to 24 seers per rupee at Ichhagor. Cattle-pox in Gourangdihi thana. |

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Inte-during the month of Oslober 1887.

IMPORTS INTO CALCUTTA.

| | | | POO | D-GRAIN | 18. | | | Finnous | PRODUCTS. | OIL | BRDS. | 1 | | | 80 | GAR. | Ton |
|--|---------------------|-----------------|------------------------|-----------------|------------------|----------------|---|---|---------------------|------------------|----------------|-----------------|-----------------|---------------|------------|----------------|-------|
| Whence imported. | Rici | AND PA | | Wheat. | Gram | Other food- | Total. | Jule, raw. | Gunny- bags.† | Linseed. | Mustard- | Tea, Indian. | Cotton, raw. | Silk, raw. | Drained | Un- drained | Bis- |
| | Rice. | Paddy. | Total (in rice). | | pulms. | grains. | | | | | | | | | | | Paca, |
| BRNGAL. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | No. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds | Mds. |
| urdwan | 77,690 | 11,876 | 85,122 | 1,311 | 5,320 | 34 | 91,787 33,995 | 1,910 | 10,920 E,030 | 4,172 | 706 | 380 | 19 | 24 301 | | | |
| erbhoom idnapore | 31,705 1,25,406 | 12,933 | 31,705 1,33,490 | | 1,197 | | 1,34.656 | 40 | 1,450 | 1,827 | 226 | | 1,962 | 574 | 726 | 837 | |
| eoghly | 211,622 | 3,034 | 31,718 | 20,000 | 8,224 | 513 | 61,355 1,88,540 | 1,57,097 | 398,952 | 19,075 | \$13,067 | | 1,253 | 2 | 8,821 | 10,883 | |
| Perkunnaha | 1,63,587 | 35,425 1,548 | 1,85,728 | 973 4,860 | 96,829 | 2,389 | 1,18,738 | 1,23,586 | 2,670 | 0,147 | 702 | 44774 | 122 | 293 | 277 | 180 | |
| nddea | 19,946 | 19,745 | 32,237 | | 63 | | 82,358 | 95,736 | 105 | 954 | **** | | 16 | | 525 270 | 6,175 7,983 | |
| ssore | 36,391 | 17,550 | 47,360 | 6,436 | 19,366 | 1,652 | 80,728 32,347 | 3,518 | 70 | 8,572 | 4,919 | | | 277 | | 7,000 | |
| oorshedahad | 42,623 | | 4,669 | | | | 42,623 | 14,912 | 55,615 | *** ** | | ****** | | | | 1 | |
| ajshahyo | 10,405 | | 10.403 | 381 | 23,530 | | 34,974 | 65,100 1,18,500 | 134,890 | 5,255 | | | | 31 | | | 2,147 |
| ungpore | 13,669 | | 1,661 | | 223 | | 1,887 | 8,965 | 101,000 | 10.740 | | | *** | | | ****** | |
| ubna | 42 | | 42 | 674 | 7,211 | | 7,927 | 4,41,592 | 645,400 | 1,337 | 1,800 | 0.000 | | | ****** | ***** | 995 |
| arjeeling | | | | | | | | 86,466 | 516,355 | | | 16,510 | | | | | *** |
| alpigoree | 2,509 | | 2,500 | | 1.516 | | 4,025 | 5,39,587 | 245 | | | | 2.0 | | | | |
| arreedpore | 12,310 | 875 | 12,857 | | 59,256 | | 52,113 | 6,34,159 | 315 | 462 | 400 | 1 | | 207 | *** | ****** | ••• |
| ackergunge | 2,16,054 | 2,125 | 2.17,382 | | 1,568 | | 2,18,950 | 8,663 64,499 | | ***** | 400 | | ****** | | | | |
| ymensingh | 7,200 | | 7.200 | | 200 | | 7.204 | 2,500 | | | | 10.00 | 620 | • | | | ••• |
| luttagong | 2,100 | | 2,100 | | ***** | | 2,107 | 825 | | ***** | | 2,491 | 275 | | ****** | | |
| oakholly Fotal of Bengal | \$5,182 8,46,306 | 1,02,111 | 9,12,001 | 31,831 | 1,20, | 4,588 | 11,74,211 | 24,81,782 | 2,078,602 | 60,793 | 21,820 | 25,928 | 4.537 | 1,712 | 10,523 | 38,540 | 3,14 |
| ВВНАВ. | | | | | | | 67,117 | | 945 | 2,57,313 | 8,235 | | 1 | 1 | 358 | 777 | |
| atno | 3400 | | | 22,137 6,193 | 36,689 184 | 8,291 | 6,677 | | 665 | 10,157 | 0,000 | ***** | | 3 | | 38 | |
| ya hababad | ****** | | | 6,210 | 9,465 | 3,235 | 16,910 | | 1,190 | 14,545 | 2,739 | | ****** | *** ** | | 1,480 | |
| ozuffernoro | Orenz / | | | 437 | 400 | | 817 4.723 | | 9,185 | 11,052 83,154 | 13,671 | | | | | | |
| urbhunga | ****** | | | 4,230 | 9,059 | 4,854 | 16,798 | | 840 | 4,725 | 2,795 | | ****** | | ****** | | |
| humparun | | | | 2,010 | 14 | 99 | 2,159 | | 445 | \$1,473 | 895 | | | | 352 | | *** |
| longhyr | 379 | | 379 | 33,564 | 36,575 | 16.407 | 71,457 59,781 | 233 | 3,875 | 14,404 | 6,059 8 837 | | | 13 | | | |
| Shagulpore 'urneah | 376 | | 376 | 3,,833 | 9.481 4.508 | 16,407 127 | 1,054 | 930 | 49,165 | 7,644 | 6,077 | | | | | | |
| Ialdah ionthal Pergun- nahs. | 417 | | 417 3 | 5,020 11,100 | 5, (na 1),841 | 1,414 | 12,281 26,014 | 12,934 | 1,225 | 1,598 8,03e | 3,161 | | | 136 | | 55 | :: |
| Total of Behar | 1,205 | | 1,206 | 1,32,143 | 1,21,619 | 37 811 | 2,02,808 | 14,097 | 08,175 | 4,53,680 | 53,558 | ****** | 1 | 153 | 740 | 2,850 | |
| ORISSA. | 405 | | 40% | | | 99 | 507 | | | | | t | ' | | | | |
| Balasore | ***** | 13,007 | 8,159 | | | | 8,120 | 528 | 550 | | | | | | | | - |
| Total of Orissa | 408 | 13,007 | 8,537 | | | 99 | 8,636 | | 550 | | | | | | | | |
| CHOTA NAGPORE. | | | | | | | | | 1,925 | | | 628 | | | | | |
| Hazaribash Manbhoom | s | | 8 | | | | 8 | | 210 | | | | | 1115 | | | |
| Total of Chot: Nagpore. | 8 | 10.00 | 8 | | | | 8 | | 2,135 | | | 628 | | | | | |
| Grand Total of applies from the l Provinces under the Lieutenant l Lovernor of Ben-J | 8,47,927 | 1,18,118 | 9,21,751 | 1,66,977 | 3,44,407 | 42,528 | 14,75,643 | 24,96,407 | 2,149,462 | 5,04,473 | 76,378 | 26,556 | 4,538 | 1,865 | 11,263 | 85,890 | 8,14 |
| gul. | | | | | | | | | | | | | | | | | |
| THER PROVINCES. | 600 | | 600 | | 800 | | 1,400 | 1,615 | | 1,700 | 6,867 | 1,12,425 | 45 | 10 | | | |
| Sorth-Western Pro- | 70000 | ALCO A | 1000 | 20000 | 275.885 | 3000000 | 38,587 | | 980 | 1,11,055 | 28,920 | 472 | 7,008 | 5: | 815 | 61 | |
| vinces and Oudh. | 10 | | 10 | 7,202 | 27.99× 4,397 | 3,247 863 | 5,270 | | | 2,11,000 | 503 | 512 | 670 | | ••••• | | |
| Punjah Central Provinces | 10 | | | 6,327 | ***** | 11110 | 6,327 | | 245 | | ****** | | | | | | 1 ::: |
| Rajputana States . | •• | | | | 3,347 | | 3,347 | | 38,400 | ***** | | 10 | 111,858 | ****** | | | |
| Bombay Nadras | | 4 | 3 | ***** | 3,235 | **** | 3,238 | | | | 113 | | 987 103 | 2 2 | | | 1 |
| British Burmah | | | | | | | "14 | 5 | 2,300 | ***** | | | | 85 | 78,340 | | " |
| Other places | | 23 | 14 | 1 100 8-01 | | 10.000 | 15,83,846 | 24,98,027 | 2,191,387 | 6,17,228 | | 1 :9,075 | 25,809 | 1,970 | 90,418 | 85,981 | 3,14 |
| of Imports | 8,48,617 | 1,18,145 | 9,22,158 | 1,80,500 | 3,84,184 | 46,638 | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | 200000000000000000000000000000000000000 | putu rematemposa na | | -0.27 | 1,20,668 | 38,413 | 2,010 | 18,579 | 25,716 | 54 |
| | 7,88,758 | 43,970 | 8,16,239 | 5,07,761 | 1,03,656 | 30,923 | 16,58,582 | 19,72,456 | 11 519 904 | 3,26,232 | 1,38,653 | 1,20,000 | O. Laro | | 1 10,010 | I -,110 | |

One maund of paddy is equivalent to 25 seers of rice.
 | † Exclusive of bags obtained by local manufacture,

The Sea-borne Trade of Calcutta in these Staples during the month of October 1887 was as follows:-

| Madras Other ports in Madras British Burmah | 1,30,345 2,078 | 30 | 1,30,345 2,078 | 248 99 8,307 | 19,475 (10,738 16,354 | 814 | 19,967 1,41,182 27,558 | 4,801 60 | 542,550 164,800 | | 42 88 | 4 38 | | 171 5 9 | 487 | 910 | * |
|---|--------------------|-------|----------------------------|--------------------|-----------------------------|-----------|------------------------------|-----------------------|---------------------|----------|----------------|-------------------|-------|---------------|-------|------------|---|
| Other Indian ports Pondicherry | 5 | | 5 | 204 | 2,295 260 | ***** | 2,800 554 | | 110,200 27,000 | | | · | *** | 6 | 1,018 | | |
| otal of Inter- portal trade | 3,12,167 | 99 | 3,12,229 | 10,028 | 56,775 | 2,489 | 3,81,521 | 4,930 | 2,409,700 | | 130 | 1,263 | | 191 | 8,699 | \$43 | |
| United Kingsom Other Foreign ports | 51,582 5,29,096 | 1,507 | 51,58 2 5,80,038 | 1,20,484 | 1,18,4\$3 24,639 | 2,261 | 2,90,449 5,67,326 | 10,79,487 5,07,780 | 14,700 8,880,109 | 6,32,201 | 5,444 1,362 | 1,88,981 8,987 | 1,911 | 178 238 | | | |
| tal of Poreign | 5,60,678 | 1,507 | 5,81,620 | 1,30,802 | 1,48,072 | 2,281 | 8,57,775 | 15,87,217 | 8,894,800 | 6,82,948 | 6,806 | 1,57,938 | 8,388 | m | 180 | | |

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of October 1887.

IMPORTS INTO CALCUTTA.

| | | · Fo | OD-GRAIN | 8 | | FIBROUS ! | RODUCTS. | O11-58 | RDS. | | | | 80 | GAR. | To | B4000 |
|---|-----------------------------|-----------------|------------------|-----------------------------|--------------------|----------------------|-------------------|-----------------------------|---------------------------|-----------------|----------------------|-------------------|---------------------|-----------------|---------------|----------------------|
| BPECIFICATION OF BOUTES. | Rice. | Paddy. | Wheat. | Gram and pulses. | Other food-grains. | Jute, raw. | Gunny- bags. | Linseed. | Mustard sood, | Ten, Indian. | Cotton, raw. | Rilk, raw. | Drain- | Un- drained. | Bis- path, | Othe |
| 4 | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | No. | Mds. | Mds. | Mds. | Mds. | Mds, | Mds. | Mds. | Mds. | Mds. |
| country boats river steamers (East Indian | 6,83,311 7,140 75,688 | 99,717 | 97,127 82,919 | 1,89,877 628 1,11,240 | 31,170 15,369 | 7,55,697 5,18,549 | 740,137 34,125 | 1,32,940 507 4,79,638 | 60,189 6.623 44,514 | 98,414 2,000 | 4,144 45 8,047 | 420 157 811 | 7,677 261 467 | 25,481 2,411 | 562 | 17,621 197 904 |
| rail Rastern Bengal State Railway. | 37,154 | | 248 | 79,184 | ······ , | 11,13,430 | 1,357,125 | 4,143 | 402 | 37,118 | 286 | 513 | | 6,331 | 2,580 | 12,183 |
| road | 45,324 | 4,689 13,934 | 272 | 3,235 | 199 | 1,09,818 543 | 18,750 41,250 | | <u></u> | 2,413 | 343 12,914 | 39 | 3,678 78,340 | 1,729 | | 6,194 489 |
| ind total of (1887 | 8,48,617 | 1,18,145 | 1,80,566 | 3,84,184 | 46,639 | 24,98,027 | 2,191,387 | 6,17,228 | 1,11,841 | 1,39,975 | 25,809 | 1,970 | 90,418 | 35,951 | 3,142 | 37,537 |
| mports in { 1886 | 7,88,758 | 43,970 | 8,07,764 | 3,03,656 | 80,023 | 19,72,458 | 1,512,396 | 3,26,232 | 1,38,653 | 1,11,686 | 38,413 | 2,010 | 18,579 | 25,716 | 549 | 51,814 |

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of October 1887.

EXPORTS FROM CALCUTTA.

| | | ton piec | e-goods. | Cotton t | wist. | | Gunny- | Y | Cotton pie | ce-goods. | Cotton | twist. | | |
|----------------------------|-------|-------------------------------|--------------|---------------------|-------------------|----------------------------|---------------------------|---|-------------------------|--------------|-------------------|------------|----------------------|--------------------------------|
| ther exported | Eur | ropean. | Indian. | European, | Indian | Salt. | bags. | Whither exported. | Euro- pean. | Indian. | Euro- pean. | Indian. | Salt. | Gunny-bag |
| | T | Rs. | Rs. | Mds. | Mds. | Mds. | No. | CHOTA NAGPORE. | ks. | Rs. | Mds. | Mds. | Mds. | No. |
| BREGAL. | 1 | | | | | | | Hazaroebash Manbhoom | 55,755 37,800 | 1,540 550 | 26 | 179 | 6,831 7,326 | R05 |
| bhoom . | | 04,390 76,160 86,870 | 1,870 | 440 163 1,949 | 1,319 | 20,307 10,000 18,200 | 39,095 49,930 6,639 | Total of Chota Nagpore | 93,555 | 5,000 | 26 | | 14,157 | 2.240 |
| thly . | | 75,657 60,768 | 6,193 | 619 | 179 | 592 12,586 | 46,173 9,400 | Grand total of supplies into | | | | | _ | |
| ies . | . 8 | 58,000 87,783 | | 1,856 | 56 6 | 15,429 6,912 | 19,661 | Lieutosant-Governor of Bougal | 80,22,255 | 87,038 | 19,081 | 9,115 | 5,29,231 | 792,621 |
| mbedabad . | : 1 | 77,674 17,750 74,699 | 2,640 | . T | 16 5 40 | 25,127 6,350 4.878 | 8:0 - 8,600 4,620 | OTHER PROVINCES. | | | | | | |
| 0-1 | . 3 | ,68,698 ,84,300 | | 21 107 | 10 | 9,273 8,866 | 9,190 945 | Assam North-Western Provinces | 3,10,410 | | 92 | 99 | 46,352 | 2,810 |
| | 1 2 | 62,009 ,73,195 31,650 | | 22 202 22 | 5 3 | 3,526 40,840 743 | 7,210 1,418 | and Oudh Punjab | 51,62.474 11,09,590 | 6,820 | 3,217 | 67 12 | 38,499 | 1,99,465 |
| eeling . | . 1 | 32,426 86,385 | | 52 2,1×5 | 118 | 10,194 23,869 | 875 1,235 | Central Provinces | 21,924 37,989 441 | | 1:16 | | | 2 7,40; 12,933 |
| edpore . | 4 | ,57,972 92,426 | | 2,785 379 | 63 | 30,679 21,566 | 5,539 | Bombay | 7,697 86,610 | 110 | 1,21: | <u>1</u> 1 | | 1.7: 2.500 405,7a0 |
| ensingh erah agong | | 40,149 83,574 | | 31 921 | | 18,899 7,125 1,859 | 61,600 | Pondicherry Other places | 2,66,911 | 300 | 1,913 | 1,56 | | 27,000 164,800 8,394,869 |
| tholy . | " | 8,:35 | | | | 8,025 | | Grand Total of) 1887 | 1,30,50,857 | 53,990 | 27,3: 8 | 11,61 | 6,13,682 | 19,980,930 |
| tal of Bengal, | - 41, | 72,443 | 17,378 | 13,295 | 2,637 | 3,06,129 | 268,136 | Exports in 1886 | ,12,19,676 | 93,831 | 23,79. | 11,813 | 1,13,132 | 6,147,206 |
| BEHAR. | | | | | 131670 | | | The Sea-borne Trade of (| Calcutta in | these M | iptes de | ering th | e month | of Octuber |
| | . 1 | ,88,502 ,78,731 | 8,380 | 145 52 | 301 700 | 61,529 5,524 | 217,355 14,455 | 1887 was as follows:- | | | | | | |
| flerpore . | . 2 | 36,294 85,957 01,3-1 | 770 1,100 | 63 5 82 | 546 12 579 | 15,206 4,203 39,786 | 15,190 1,890 62,265 | IMPORTED INTO CALCUTTA- | Ra.* | its. | Mas. | Mds. | Mds. | No. |
| parun . | 4 | 24,780 | | 3 14 | 44 | 6,841 | 13,615 17,255 | United Kingdom Other Foreign ports | 97,97,598 98,0.5 | | 15,201 254 | | 6 78,093 2,36,123 | 2,300 |
| hyr . uipore . | . 2 | ,93,158 ,33,919 ,57,815 | 5,000 | 8 15 9 | 483 824 378 | 10,296 17,104 6,234 | 35,525 59,395 3,840 | Total of Foreign Trade | 08,90,119 | | 15,162 | | 9,14,519 | 2,300 |
| esh sh sal Pergunnsh | | 2,5±0 ,23,732 | 770 | 108 | 748 | 5 000 | 500 32,080 | From Indian Ports— | 10,251 | 1,10,019 | 10.00 | 7.083 | 56,269 | 38,400 |
| al of Behar . | 35, | 73,888 | 17,600 | 409 | 4,595 | 1,96,462 | 473,345 | Madras Other ports in Madras British Burmah | 15% 550 300 | | | | | o |
| ORISSA. | | X. | | | | | | Other Indian ports Total of Interportal Trade | 11,462 | 1,30,6 7 | | 7,581 | 56,369 | 38,050 |
| ck ore | | 2,544 ,79,825 | | 49 5,210 | 113 | 12,483 | 300 48,600 | Grand Total of Im- 5:8.7 | 09,07,580 | 1,20,6.7 | 1 5 162 8,0 .3 | 7,5~5 | 6,39,854 | 41,250 2,350 |
| al of Orissa . | | 82,369 | | 5,261 | 118 | 12,433 | 48,9110 | ports in October ? 1886 | 06,07,527 As per tar | | | | -1-1-10-1 | 2,110 |

following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of October 1857.

| | | | | ************************************** | | |
|--|--|------------------------------------|--|--|---|---|
| (1 ² -1 | COTTON PIE | CE-Goods. | COTTON | IWIST | Sult. | Gunny-bags. |
| SPECIFICATION OF ROUTES. | European. | Indian. | European. | Indian. | | Guardy-baggs. |
| | Rs. | Ra. | Mds. | Mds. | M de. | No. |
| Colombre Colomb | 8,83,464 5,80,419 83,09,511 80,68,352 1,75,465 6,81,246 | 2,620 30,980 10,848 1,901 | 5,018 784 6,203 7,276 728 9,359 | 155 9,061 418 147 1,690 | 2,78,×78 15,042 2,49,259 55,468 4,729 10,608 | 85,493 5,850 964,5:5 41,125 5,000 10,894,609 |
| Bried Total of Marports in October [1867 | 1,90,50,657 1,12,19,676 | 53,909 95,831 | 27,398 23,22 5 | 11,474 | 6,13,682 6,13,132 | 11,989,050 6,147,206 |

P. Nolan, Secretary to the G vt. of Benyul.

Meteorological Report of the Province of Benj

| | | | | | | | | 8 | TATION C | BAERV | ATIONS. | | | | |
|---|--------------|----------------------------|------------------------------------|-------------------------------|----------------------|-----------------------|-----------------|-------------------------|---------------------|------------------------|--------------------|------------------------------|---|---|--|
| | | | AII | R PRESS | URN. | WI | TD, | | | | THMPH | ATURB. | | | |
| DISTRI | 0% | Representative station. | Mean barometric height, 10 A.M. | Mean reduced to sea-level. | Variation from mean. | Prevailing direction. | Mean wind velo- | Highest during week. | Date. | Lowest during week. | Date. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily tem- perature of week. | Variation from normal regan of week. |
| | | Gopalpore | 30.089 | 30.080 | +.015 | 88W | - | 80.3 | 24th & 27th Jun. | 61.9 | 21st Jan. | 78'3 | 68.7 | 73.2 | +2.2 |
| Pooree | ··· p·· { | False Point | 80.075 | 30.097 | 003 | ENB | 147 | 80.4 | APAL. | 51.5 | 2156 | 77'5 | 59-3 | 88-4 | |
| Outtack | | | 30.008 | 30.091 | 0 | NE, calm | 35 | 85.8 | Arth. | 55.4 | | 83.2 | 61'7 | 72.6 | -0.3 |
| | | n. | 30.017 | 30.103 | +:017 | | 898 | 78.3 | dath | 48.6 | | 75.4 | 51.3 | 64'8 | -0.4 |
| Balasore South-West M | | Bainsore | 96 011 | 30 105 | 7 017 | N | 69.6 | 100 | 2610 " | | 22nd ,, | | | 010 | ~479 |
| South 24-Perg | | Sangor Island | 30.065 | \$0.118 | +'017 | NE | 219 | 76.2 | 25th | 51.3 | 21st ., | 74'3 | 57.0 | 68.7 | -3.3 |
| Midnapore | | Midnapore | 29.983 | 30.141 | + '043 | NE | 63 2 | 79.3 | 93rd | 43.1 | 21st | 75.6 | 54.3 | 65'0 | |
| 24.Pergunnah | | anampan iii | | 0.0 | | 1 | | 100 | Sort " | | 2181, | | | | -2.6 |
| AND ASSESSMENT OF THE PARTY OF | 300000 | Calcutta | 30.100 | 30.128 | + '026 | N | 45 | 74.0 | 25th | 97:7 | zist | 72'0 | 54.3 | 63.3 | 91.4 |
| Howrsh | | Curcues , | 0 | 1 | | ." | | 1.00 | 25th | 22.1 | 2186 ,, | | | | -3.6 |
| Hooghly Burdwan | 977 | Burdwan | 30.050 | 30.126 | + 020 | NNE | 42.7 | 78.0 | 23rd | 46.4 | 2ist | 73'5 | 54.0 | 63.7 | -80 |
| Parameter and the second | 1400 1400 | Bankoora | 29.795 | _ | _ | Caim & | 12.0 | 73.6 | | 50.0 | at.4 | 70'4 | 54.2 | 62.5 | |
| Bankoora Beerbhoom |) | | - | | | NW | | | 28rd ,. | 187.7079 | 2186 ., | | 1000 | | - |
| West Burdwa | | Rancegunge | 29 776 | 30.100 | +.018 | NW | 79.4 | 76.9 | 23rd ., | 47'8 | 21st , | ;2.8 | 53.7 | 63'3 | -3.0 |
| Moorshedabad | | Berhampore | 30.052 | 30-122 | + 029 | WE | 448 | 74'6 | 23rd ., | 48.0 | 21st | 71.6 | 52.6 | 62.1 | -3.5 |
| Nuddes | | Krishnaghur | 30.037 | 30.100 | - | NEANW | 15570.0 | 76'4 | 23rd ., | 63.9 | Sist , | 73.7 | 51.4 | 68.2 | -30 |
| Jessore |) | | 1 | | | | | | Januar II | J. Same | | | | | _ |
| Khoolua | } | Jessore | 30.077 | 30.115 | + '020 | North- westerly. | 37.7 | 77.7 | 23rd " | 46'4 | 21st " | 74.5 | 52.2 | 62.4 | -2.5 |
| Chittagong | | Chittagong | 30-012 | 30.108 | + 025 | NE | 48 | 79.6 | 35th | 497 | 22nd ,, | 78.0 | 54.0 | 66.9 | -01 |
| Chittagong Hi | | Demagiri | 0.00000 | | | Ot | servata | ns not | received. | | 1 | | | | |
| Backergunge | | Barrisal | 30.081 | 30'097 | + '051 | N | 47.0 | 76 8 | 25th, 1/7th | 48'1 | 22nd .,. | 747 | 13 6 | 84-1 | -0.0 |
| Noakholly | | Noakholly | 30.076 | 30*121 | + '027 | Calm | 76.7 | 77:3 | Jan. | 46'0 | Bist, 22nd Jun. | 75'6 | 51.3 | 63'4 | -17 |
| Parreedpore | | Furreedpore. | 30.071 | 30.116 | +.020 | NE | 33 0 | 73'8 | 25th | 45'5 | 21st ,, | 72'6 | 82°6 | 67.6 | -1.8 |
| | | | | | | | | | | | | | | | ••• |
| Dacca | | Dacca | 30.081 | 30-107 | +.033 | Calm | 41 | 77'1 | with " | 48 8 | elst " | 74.8 | 53.9 | 64.3 | -2.3 |
| Commillah | | Commillah | 30.088 | 1 | + '037 | NE | 2.6 | 78'4 | 26th " | 46'1 | 21st | 75.9 | \$1.0 | 65.9 | -0.8 |
| Mymensingh | | Mymonsingh . | 30.021 | 30.111 | + '028 | Calm | 43.5 | 74'4 | 26th ,, | 44.6 | 21st ., | 72.7 | 52'3 | 62.5 | -0.6 |
| Bogra | | Bogra . | 30.014 | 30.080 | - | W | 38.9 | 75'3 | 25th | 45.7 | gist " | 73.3 | 52.7 | 63 0 | - |
| Pubna | ••• | Serajgungo | 30.063 | 30.111 | + '042 | W | 36.4 | 76.1 | 23rd & 25th Jan. | 1 | zist " | 73.8 | 52'1 | 63.0 | |
| Bajshahye | ** ** | Rumpore Beau- | 1 | 30.151 | + '060 | N | 67:0 | 74'2 | 23rd | 43.7 | Sist " | 71:3 | 40.4 | 60.4 | -1.3 |
| Maldah | /m ··· | Maidab | 80.011 | == | - | NW | 62.2 | 70.8 | 25th | 42'3 | 3146 ,, | 75 6 | 49.4 | 63.2 | - |
| Dinagepore | m = - | Dinagepore . | 29-975 | 30-102 | +1026 | SsW | 68.0 | 78'6 | 23rd & 25th | 43.4 | 21st . | 70'9 | 49.7 | 60.9 | -1.6 |
| Rungpore | | Rangpor | 29:072 | 30.104 | + 015 | Calm | 26.6 | 740 | gard & sath | 43'0 | dist " | 71'1 | 49.7 | 80-8 | -9.3 |
| Inlpigores |) | | | | | | 0.61 | | Jan. | | 82nd | 69.8 | | | |
| Oooch Behar | 5 | Julpigoree | 29'817 | 10.151 | + 084 | NE | 10 0 | 78:4 | 24th ,, | 47'4 | 2-na ,, | | 91.0 | 60.4 | -0.7 |
| Darjeeling Hill | Tracts | Dargechukt . | 22.975 | - | 002 | Culm | 81.R | 43.1 | 25th ., | 31.3 | 21st | 400 | 32.6 | 34.3 | -\$18 |
| Purneah | j | Purneah | 29-507 | 30.131 | +*025 | Variable | 45.0 | 71'2 | 25th ,, | 42.9 | žist " | 68.3 | 47.7 | 58.0 | |
| North Bhaguly | pore) | Landerd | 20 007 | 00 1 | | Vaciable | | ,,,, | 25th ,, | 22.5 | , , | | • • | 00 9 | -816 |
| Mounferpore | | Moznsterpore | | | | Ob | servatio | ns sus | ponded. | | | | | | 4 |
| Durbhunga | | Durbhunga | 29.954 | 30.135 | + '087 | WNW | 69.0 | 68.2 | 25th ., | 49.3 | 22nd ., | 68.0 | 23.0 | 59.5 | -2.6 |
| Chumparun | | Motihari | 29.819 | 80.085 | +.011 | Easterly | 101'4 | 71.7 | 25th | 43'1 | 22nd ,, | Q8.1 | 49.3 | 88'7 | -0.8 |
| Barun | | Chapra | 29'914 | 36.153 | +.024 | 8W | 79'8 | 70.5 | 21st, 22nd Jun. | 48.1 | 21st ,. | 66.2 | 50'0 | 58.2 | -3.8 |
| 7.9.8 | (| Dehree | 29.736 | 30'1,4 | F.013 | Southerly | 108.0 | 10.1 | ilst " | 48'5 | 21st ,, | 63.0 | 52.0 | 57'8 | -48 |
| hahabad | | Buxar | 29.872 | 30.125 | + '020 | E | 132.3 | 73'4 | 22nd ,. | 43.4 | 21st ,, | 66'2 | 49.8 | 63.0 | -4.0 |
| _ | 4 | Arrab | 29-897 | 30.108 | +'017 | E | 61.7 | 70.8 | 27nd ., | 1770.000 | Zist " | 66.3 | 49-3 | 67.7 | -60 |
| Gya | | Gya | 29.707 | 30.108 | -,013 | Calm | 55.8 | 72.7 | 22nd " | | 2151 ., | 68'4 | 50.0 | 20.8. | -50 |
| Patna | | Bankipore | 20.947 | 80.143 | +.026 | W, 8E | 61.3 | 70.0 | 29nd ,, | 44.1 | 21st ,, | 68.9 | 49 4 | 68.0 | -34 |
| South Bhagulpo | } | Bhagulpore | 29.908 | 30.018 | -+.008 | Westerly. | 43.0 | 75'4 | 22Ld ,, | 44.0 | 21st | 70.2 | 48.7 | 59-6 | -2:3 |
| Monghyr | ر ا | | | | | | | | | | 9144 | | | | |
| donthal Pergun Hazaribagh | 350 000 | Dooraka | 29.561 | - | + '022 | NW | 62'4 | 78'5 | 23rd . | 48.0 | 21st ,, | 60.1 | 90.0 | 28.4 | -11 |
| Lohardugga | | Hazaribagh | 28'026 | 30.130 | 1+ .000 | w | \$09.2 | 69.8 | 22ud & 25th | 45'6 | 31st ., | 65.7 | 48-9 | 57/0 | -10 |
| (anbhoom | | Ranches | 27'901 | 30 122 | + '808 | NNW | 137'6 | 71.8 | 28rd & 25th | 44.4 | 21at],, | 67:9 | 68-8 | 881 | -50 |
| inghhoom | | (Thurston) | 00 | | | | | | Jab. | | 2005 | | | | |
| THE PROPERTY. | | Chyebassa | 29.292 | - | 4 '018 | North ounterly. | 25'5 | 80.6 | 26th ,, | 46.0 | 3134 (1 | 18-6 | 843 | 164 | -51 |

Esplanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the residue desired as sent the following temperature of the structure of the structure of the summary of the annual in that district determined from the requirement of the sum of the sum of the sample in that district determined from the requirement in by the sub-district annual in activated from the requirement of the sample in the sum of the sum

n the week ending Friday, the 27th of January 1888.

| | | | 1 | | | | | | BERVATI | | - | | - | 1 |
|------|--|-------------------------------------|-----------------------|-----------------|-----------------------|-----------------|------------|-----------------------|-----------------|------------|----------------------------------|---------------------------------|--|---------------------------|
| | week. | eek at | 02 1 | WBBK. | | | | | NPALL. | | / F | | P | 1. 1 |
| 1 | for | Stati | | | | ce lat of mo | onth. | | e 15th May | 1887. | leys. | mbe | Representative station. | District. |
| - | Average cloud amount at 10 A.M. for week. | Rainfall of week observing station. | Mean for district. | Normal mean. | Mean for district. | Normal mesn. | Variation. | Mean for district. | Normal mean, | Variation. | Average number of rainy days, | Normal number of rainy days. | | Y |
| i | 1.0 | Nil | - | _ | | - | - | - | - | _ | - | - | Gopalpore) | |
| | | | | 0.10 | | 0.51 | | | 58:47 | | | 0.3 | Palse Point | Pooree |
| 2 | 3.0 | 0.72 | | 0.13 | | 0.52 | | | 28.60 | | | 0.3 | Cotton | Cuttack |
| 8 | 5.0 | 0.43 | | 0.08 | | 0.52 | | | 53'99 | 1 | | 0.5 | Balasore | Balasore |
| 8 | | | | | | | | | | | | 0.0 | | South-West Midnepor |
| 5 | 6.3 | 0.24 | 0.81 | 0.10 | 0.81 | 0.31 | +0.20 | 59:09 | 62:47 | -3.38 | 3.0 | 0.3 | Saugor Island { | South 24-Pergunnahs . |
| 8 | 4.7 | 0.79 | 0.86 | 0.00 | 0.87 | 0.36 | +0.21 | 51.83 | 51.49 | -0.16 | 2.7 | 0.3 | Midnapore | Midnapore |
| | | | | | | | | | | | | | 1 | 24-Pergunnaha |
| 34 | 5:3 | 0.82 | 1.04 | 0.15 | 1'04 | 0.38 | +0.66 | 41.24 | 52.53 | -10.69 | 2.9 | 0.3 | Caloutta | Howrah |
| | | | | | | | | | | | 0.00000 | | 1 | Hooghly |
| 37 | 5.0 | 1.43 | 1.53 | 0.12 | 1.53 | 0.30 | +0.03 | 46'27 | 46.69 | -0.43 | 2.3 | 0.3 | Burdwan | Burdwan A. |
| n | 4'3 | 1.10 | 1'24 | 0.10 | 1.52 | 0.33 | +0.92 | 50-59 | 52.88 | -1.79 | 2.8 | 0.3 | Bankoora | Bankoora |
| 12 | 3.9 | 0.::0 | 0.40 | 0.11 | 0.45 | 0.39 | +0.06 | 48:04 | 52:40 | -4.36 | 2.2 | 0.4 | Raneegunge { | Beerbhoom |
| | | | 0.4. | | 0.33 | 0.41 | -0.08 | 59:14 | 49.80 | +9.81 | 2.8 | 0.3 | Porton | West Burdwan |
| 3 | 7.0 | 0.58 | 0.81 | 0.10 | 0.57 | 0.58 | +0.58 | 43.85 | 49 43 | -6.08 | 1.5 | 0.3 | PER CHARGE REPORT AND ASSESSMENT AND ASSESSMENT ASSESSM | Moorshedabad Nuddea |
| 83 | 6.0 | 0.62 | 0.22 | 0.11 | 0 37 | 0.20 | | | | , | ** | | Krishnaghur | Jessore |
| 71 | 7.4 | 1.42 | 0.88 | 0*14 | 0.68 | 0.40 | +0.18 | 42'48 | 63*88 | -11:40 | 1.2 | 03 | Jessore} | Khoolne |
| | 3 .3 | 1.18 | | 0.18 | | 0.21 | | | 114'67 | | | 0.4 | Chittugong | Chittagona |
| 72 | •• | . 10 | | 9.27 | | 13.0 | | | 82.34 | | | 0.4 | Demagiri | Chittagong Hill Tracts |
| . | 4.6 | 1.02 | 1.21 | 0.45 | 1.21 . | 1 0.29 | +0.85 | 60.83 | 78-26 | -17'43 | 1.2 | 0.3 | Barrisal | Backergunge |
| 32 | 4.0 | 0.70 | 0.88 | 6.11 | 0.08 | 0.23 | +0.20 | 73.85 | 109*72 | -36'07 | 1.2 | 0.8 | Noakholly | Noukholly |
| 11 | 8.8 | 0.26 | 0.71 | 0.12 | 0.71 | 0.38 | +0.83 | 36 62 | 56.86 | -19'74 | 1.0 | 0.4 | Furreedpore | Furreedpore |
| | | 546,000 | | | | | +9.18 | 10:20 | 61.10 | -20.31 | 1.3 | 0.4 | | |
| 96 | 39 | 0.42 | 0.20 | 0.15 | 0.90 | 03t | +018 | 40.79 | 71.41 | -20 31 | 13 | 0.4 | Dacca | Daces |
| 18 | 33 | 0.30 | | 0.14 | A-11 | 0.22 | -0.54 | (10-64 | 67.05 | -7:01 | 1.8 | 0.3 | Commillah Mymensingh | Commillah |
| 18 | 4.4 | 0.08 | 0.11 | 0.15 | 0.11 | u·35 | | 10 03 | j . 55 | -100 | | | mymensingh | myntensingh |
| 57 | 2.0 | 0.03 | 0.02 | 0.08 | 0.02 | 0"35 | -0.30 | 60.23 | 57.11 | +5'42 | 0.9 | 0.3 | Bogra | Bogra |
| 75 | 89 | 0.32 | 0.53 | 0.1 a | 0.53 | . 0.33 | -0.10 | 44.53 | 63.87 | -0.61 | 2.0 | 0.3 | Sorajgunge | Pubna |
| 84 | 9.7 | 0.11 | 0.69 | 0.12 | 0 05 | 0.21 | -0'46 | 49.62 | 54.12 | -4.23 | 0.2 | 0.4 | Rampore Besuleab | Rajshahye |
| 75 | 5'4 | 0. 5 | 0.02 | 0.13 | 0.02 | 0 46 | -0.84 | 48.68 | 64.85 | -8:17 | 1.2 | 0.4 | Maldah | Meldah |
| 78 | 4.0 | 0.08 | 0 09 | 0.02 | 0.09 | 0.38 | -0.59 | 69.15 | 66.13 | +13.03 | 1.6 | 0.3 | Dinagepore | Dungepore |
| 10 | 0.7 | 0.02 | 0.16 | 0.11 | 0.51 | 0.40 | -0.18 | 80.21 | 73.35 | +7:46 | 1.3 | 0.3 | Rungpore | Rungporo |
| | | | | | | 0:35 | -0.04 | 117:73 | 110 53 | +7'20 | 1.8 | 0.4 | | Julpigoree |
| 79 | 8.0 | 0.82 | 0.30 | 0.13 | 0.31 | 9.0 | -004 | 11. 73 | 110 00 | +7'20 | | • | 1 | Cooc's Behar |
| 86 | 7.1 | 0.48 | li | 0.40 | | 0.84 | | | 121.07 | | | 0.8 | Darjeeling | Darjeeling Hill Tracts |
| 80 | 67 | 0.51 | 0*27 | 0.12 | 0.52 | 0.47 | -0.50 | 65-81 | 58.01 | +7:30 | 1.8 | 6.3 | Purneah { | Purneah |
| 00 | * | 0 21 | 021 | | V2. | 10000 | | | | | CONT | | (| North Bhagulpore |
| | 2 | | 0.45 | 0.43 | 0.45 | 0.61 | -0.19 | 47'85 | 43.32 | +4.03 | 5.0 | 0.4 | Mozufferpore | Mozafferpore Durbhunga |
| - | 8-6 | 0.60 | 0.45 | 0.30 | 0.45 | 0.60 | -0.12 | 50.07 | 46'47 | +5.73 | 1.3 | 0.4 | Durbhunga Motihari | Chumpten |
| 67 | 7.6 | 0.28 | 0.44 | 0.27 | -0.44 | 0.62 | -0.18 | 49'82 | 43-11 | +3.85 | 3.0 | 0.4 | CONTROL SERVICE SERVICE | Narnn |
| 86 | 5.6 | 0.82 | 0.90 | 0.39 | 6.80 | 0.02 | +0.58 | 90 20 | | -2.86 | 30 | | (Johns) | |
| 78 | 8.3 | 1.77 | , | 0.14 | 1-04 | 0.28 | +0'48 | 38-61 | 40:25 | -1:64 | 8.3 | 0.4 | The same of the sa | Shahabad |
| 81 | 7.7 | 0.88 | 1.08 | 0 14 | 100 | | | | 1774/877/1 | | | CASS | Arrah | 1000 150 |
| | 66 | 1.04 | 1.36 | 0'17 | 1'29 | 0.28 | +0.78 | 39.59 | 41.02 | -2:33 | 3.3 | 0.4 | Gya | Gya |
| 77 | 97 | 0.80 | 078 | 0.14 | 0.77 | 0.18 | +0.58 | 36:81 | 41.47 | -4 08 | 2.2 | 0.1 | - | Putas |
| i | | | | | | 150000 | , ,,,, | , | 40:00 | | | 0.3 | Bhagulpore | South Bhaguipore |
| ₩ : | ** | er 35 | 0:88 | 010 | 0.68 | 0.43 | +0.30 | 43.48 | 43.08 | +0.48 | 5.0 | V-3 | q | Monghyr |
| 68 | 84 | 0.48 | 0.0 | 0.09 | 0.41 | 0.85 | +0.08 | 52'90 | 50.25 | +2.38 | 2.8 | 0.2 | Var es es 📗 | Sonthal Pergumana |
| st : | 71 | 0.99 | 0.78 | 0.18 | 1.01 | 0.41 | +0.00 | 47'41 | 20.07 | -3.18 | 3.0 | 0.3 | Hazaribagh | Hazaribaga |
| 73 | 71 | ata . | 078 | 017 | 140 | 047 | +0.72 | 45'53 | 47.88 | -1.83 | 8.0 | 0.4 | Ranch } | Lohardugna . |
| | 4 | 0.70 | 1 | 1 | 1 19 | | 1011 | ~~ | | | | 100 | | Manbhoom |
| | 690 | 180 | 1150 | 0.48 | 1106 | 0.54 | +1'18 | 51.15 | 81'34 | -0.00 | 8.0 | 0.2 | Ohyebassa | Singbhoom |

the time the man he has the transporting normal mean, and posters when greater the period of rainfall the normal mean that the state of the transporting and the state of the

Statement of Raintail in Bengal for the week ending Friday (6 p.m.), the 27th of January 1888.

| | | | | | R. | LINTALI | | | | Tor | AL. | | | | 1- |
|-----------------------------|----------------------------|---|---------------------------------------|--------------------------|--|---------------------------|-----------------------------|--|--|--------------------------------------|--|--|---|---|--|
| Essecrological districta | District. | Station. | Saturday, 21st Janeary. | Sunday, ?2nd January. | Monday, 23rd January. | Tuesday, 24th January. | Wednesday, 25th January. | Thursday, 25th | Friday, 27th | Number of ra.ny days. | Rainfall of week. | Total rainfall since lst of month. | Average total rain- full from 1st of month. | Total rain- fall since 15th May 1887. | Average rainfal from 15: May 188; to date, |
| 2) 44 | Pooree | Pooree Khurdah Banpur False Point . Gop Papla | -: | | | | | : : :: : | 0.02 0.37 3.58 | 1 1 | 0.31 0.05 | 0°02 0°37 3°58 | 0°17 0°21 0°08 0°37 ? | 31:43 39:09 68:36 | 52'1' 57'4 51'7' 64'3 |
| | Outtack | Jagatsingpore Banki Cuttack Kendrapara Jajpore Dharmsalla Salipore | | | 107 | 0.01 | | 0.04 0.43 0.28 | 0°39 0°71 0°90 1 00 | 3 2 1 3 | 0.44 1 02 0.40 2 97 | 0°44 1°0° 0 90 2 98 | 0*19 0 20 0 20 0 30 0 30 | 42:34 55:12 4x:70 45:07 | 47-8 52-6 56-5 50-9 52-2 |
| | Balasore | Chandbali Bhuddruck Sornh Balasore Jellasore Baripodah | | ::: | :: · | | 0.80 | 0 17 0 35 0 86 | 1.50 | 2 | 1.35 | 1'37 1'36 | 0:31 0:17 0:14 0:30 0:37 0:30 | 44 15 59 32 | 54*1 51*9 52*6 58 2 59 4 55*5 |
| BRIGAL. | Midnapore . | Contai Sauger Island Tumlook Midnapore Ghattal Kukmhaiy Herra Bhagwanpore Garbeta | · · · · · · · · · · · · · · · · · · | ::: | 0 09 | : : : : | 0.03 0.18 | 0°17 0 36 0 20 0°09 0°19 0 31 0 39 | 0°16 0°16 0 63 0 65 0 59 0 69 0 28 | 3 3 2 3 3 2 2 2 | 0 96 0 70 0 83 0 88 0 87 1 00 0 67 | 0 36 0 70 0 83 0 88 0 97 1 00 0 07 | 0·17 0 ?4 11 _ 7 0 43 0 37 ? | 49:18 70:82 50:63 47:10 56:20 52:57 41:38 | 61:9 66: 51:0 49:0 54:4 |
| | 24-Pergunnalia | Diamond Har bour Canning Town Alipore Jail . Barrackpore Dum-Dum Baraset Husserhat . | | ::: | 0.07 0.03 0.65 0.49 0.18 0.12 | :: <u>.</u> . | "0 11 0 04 | 0 21 6·12 0 12 0 13 0·14 0 21 | 1 10 0 58 0 52 0 57 1 03 0 46 | 3 4 3 3 8 Nil | 1 38 0 84 1 33 1 19 1 24 0 79 Nil | 1'38 0'*4 1 33 1 19 1 24 0'70 Nil | 0.54 P 0.51 0.30 0.45 0.50 0.33 | 57 29 47 83 52 81 41 21 41 89 88 62 5 18 | 58'6 55'5 49'8 52'11 50'4' |
| | Howrsh | Howrah Mohesreka (Oolobersah.) | | ::::. | 0.08 0.51 | ٠ | 0.43 | 0·17 0 18 | 0 71 0 70 | 3 | 0.07 | 0 97 • 1'52 | 0.41 | 39.40 | 51.3 53.0 |
| | Hooghly | Serampore Hooghly Jehanabad | | | 0-20 0 11 0 v6 | | | 0°16 6 07 0°08 | 0°87 0 85 1°20 | 3 3 3 | 1.03 1.03 1.34 | 1 03 1 03 1 34 | 0.49 0.32 0.26 | 35:09 40:56 36:31 | 50.8 48.4 68.0 |
| | Burdwaa | Culna Burdwan Cutwa Rancegunge . Mankur | : | | 0.04 0.04 0.30 | | : | 0 15 0 55 0 46 0 17 | 0 81 0 81 0 72 | .8 1 3 | 1'8! 1 43 0'46 0 10 1 03 | 1.81 1.43 0.46 6.33 1.02 | 0°3, 0°22 0 40 0 28 | 79°13 46 18 54 55 46 11 43 80 | 44 6 48 0 47 3 40 1 |
| | Bankoora | Bankoora Bankoora Bishonpore Mainara Khatra Iudas Kotalpore Anda Cangajalghati Baspore Sonamukhi | | | 0 11 0 44 0 36 | | | 0.64 6.58 0.84 0.87 0.55 1.40 0.25 | 0 41 0 00 0 53 0 57 1 35 0 93 0 77 0 43 | S 3 2 3 2 1 2 1 2 2 | 1°16 1 62 0°87 1 30 1 90 1 40 0 3) 0 93 0 95 0 78 | 1.78 1 62 0.87 1.34 1 40 0 30 0 93 6 95 | 6 40 0 57 0 57 0 58 | 41 49 55 96 49 55 52 2 41 73 45 05 89 24 49 83 52 51 56 59 | 5118 50 5 4417 56 A |
| | Beerbhoom | Bh. Scory Hetampore Rampore Had | | : | 0.50 | | | 0 06 0 36 0 13 | 0.51 | 3 1 8 | 0 39 0 36 0 46 | 011 0146 0146 | 0°38 0 44 0°45 | 50:03 51:14 44:54 41.78 | 54°1 54°5 51 1 |
| | Nuddes | Ranaghat Kushnaghur Chocadanga Mcherpore Kooshtsa | : : : : : : : : : : : : : : : : : : : | | | | | 0 07 0 61 | 0.29 0.33 0.49 | 2 1 1 1 1 | 1°15 0°61 0°28 0°33 0°49 | 1°15 0 d1 6 28 0°13 0°40 | 0 27 0 26 0 27 0 29 0 28 | 39:73 43 14 42 22 48 07 43:52 | 47:3 46:0 51:4 4:4 54:8 |
| | Khoolna | Satkhira Bagii hat Khoolna . | ==: | ::: | | 77 | | :::: | 0 04 1 99 0 60 | 1 1 1 | 0 04 1 99 0 60 | 0°04 1°94 0°60 | 0.41 0.57 0.58 | 46.73 53 20 43.26 | 56 4 62 4 66 6 |
| | Jeccore | Narail Jessore Jhenidah Magoorah Bongong | | : | | | ::: | 0.05 0.06 | 1.10 1.36 0.75 0.72 1.15 | 1 3 2 1 2 | 1 16 1:42 0:61 0:72 1:37 | 1·10 1·12 0·11 0·72 1·37 | 0 52 0 14 0 29 0 26 0 23 | 24:07 4:10 48:14 8:56 56:81 | 47 % 64'N 64 13 51 '44 51 '84 |
| | Moorshedsbad | Kandi Berhampore Lalbagh Azimgunge Jungipore Lalgola Akhriganj Patuabari | | | 0°12 0 14 0°20 0°22 0 07 0°12 | "0 10 | | 0°45 0°04 0°07 0°12 0°08 | 0 10 0 02 0 002 | 2 8 8 2 8 1 9 | 0°57 0°28 0°28 0°33 0°33 0°83 0°07 0°20 | 0°37 6°39 0°28 0°38 0°37 0°07 6°26 | 0.83 0.8 0.19 0.54 6.43 0.51 | 47.24 57.08 67.05 59.89 63.00 62.24 52.48 | 51 01 50 51 48 90 50 24 48 00 50 75 |
| BANK RAINGEL | Chattagong | Cox's Bazar Chittagong Kutubdia | | | | ••••• | | | 0.12 | 1 | 0.12 | 0.18 | 0.49 | 116-69 | 186 M |
| | O itragong Hill Tracts. | Rongamati Ruma | | | | | | | 0 72 | 1 | 0.15 | 0'79 | 0.84 | 26.20 | 837 |
| | Beckergunge | Patuakhally Perozepore Burrisal Bhola | | | | 010 | | 0.91 | 1.88 0.10 1.88 | 1 9 1 | 1'38 1'0: 2'42 1:65 | 1'48 4'04 Tres 1'08 | 0.71 0.64 0.61 0.61 | 70 | |

itasement of Rainfall in Bengal for the week ending Friday (6 p m), the 27th of January 1888 -contd

| | | | - Contract | | B. | LINFALI | | | | Ton | AT | İ | wax se | • | |
|---------------|---------------------------|--|---------------|------------------------|-------------------------|---------------|----------------------------|------------------------------|---|------------------------------|--|---|---|--|---|
| ateorological | District | Station. | Saturday 21st | Sonday 22nd Junuary | Mendav, 23rd January | Tuesday, 25th | Leanesday, Lan Jan mry, | !harsdsy 26th | Friday, 27th | ramy days. | Ramfa'l of | Total rain fall since lst of m nth | Average total nam- fall from 1st of month | Total rain- fall since 15th May 1887. | Average raufall from 18t May 1887 to date |
| AST BENGAL | | Gournoddi Bauphal | | | | | - | | 0 (1 1 11 | 1 | 0 31 | 0 31 | 1 | 40 83 62 20 | |
| | Noakholly . | Nonthelly Fanny Harishpore Kampanj | | | | (03 | | | 0~8 11, | 1 | 0 H1 1 15 | 0 81 1 15 | 0 48 0 0 P | 73°25 74 03 | 1094 |
| | *urres4pore | Madaripore Furreedpore Goalundo | | | | | | | 1 00 0 2 0 10 | 1 1 1 | 7 00 0 72 0 40 | 1 00 0 7' 0 10 | 0 50 0 0 37 | 55 80 88 04 35 90 | 58 7 57 9 |
| | Dacon ee | Munshigunge Dacca Naisingunge Manickgunge Joydebpore | | | | | | () ats | 0 54 0 59 0 5 0 46 0 20 | 1 2 1 1 1 | 0 34 0 9 0 26 0 14 0 20 | 0°94 0 15 0 °6 0 16 0 20 | 0 to 0 7 0 t 0 st | 8) 58 44 10 42 17 9, 14 51 07 | 73°0 60 6 63 6 |
| | Hill Tipperah Lipperah | Agartola (omilia Chandpore Brahmunberi Ramchandra pore Nasirnagar Daudkandi | | | | | | | 1 25 0 31 | 1 I N I N I | 1 25 0 31 ~11 | 25 0 91 Nat N 1 | 0.50 0.55 0.37 0.62 | 59 17 37 39 36 14 3 15 | 69 7 77 7 81 6 63 1 |
| | Mynemingh | Kasba Laksham Kishoregungi Atin (Tangail |) | | | | | | 0 25 0 10 0 19 | 1 | 0 25 0 40 0 19 | 0 19 | 0 57 0 37 | 42.7L 30.71 58.07 | 70 S |
| | | Mymensingh Jamalpore Nettok inn Subornakhalli Durgapore Dewanganj | | | | | | 0 0 | 0 15 | Nil 1 1 2 Nil 2 | 0 15 Nil 0 3 0 17 0 40 | N1) 0 - 5 0 17 0 40 N1 | 0 80 0 10 0 10 7 9 | 62 51 | 74 68 79 |
| ORTE BERGA | Pubna | Pubna Corajgunge | | | | 0.02 | | 0.01 | 0 1 0 _7 | ; 1 | 0 18 0 27 | 0 19 | 0 11 | 87 99 50 52 | 54 84 |
| | Hogra | Sherpore Nowkhills Bogts Pauchbibi | • | | | | | | 0 (X 0 17 0 11) | N ₁ 1 | 0 05 Nil 6 67 0 9 | 0 05 Nil 0 17 0 09 | 0 % 0 % 0 % 0 24 | 47 47 57 23 66 91 68 10 | 59 55 60 |
| | Ra snabye | Besuleah Nattore Naogaon Lalpore Manda | | | | | | | 0.26 | Nil | N ₁ 1 0 26 N ₁ 1 | Nil 0°6 Nil | 0 H) | 47 19 34 6 6- 62 | 90 |
| | Maidal | Maldah Chanchal Gazol Stogans | | | 0 07 | | | 0 0 | 00. | Nil Nil | 0 02 0 13 11 0 08 | 0.07 | 011 | 4+ 3 45+, 51-19 52-90 | 81 87 |
| | ninagepore | Mohadebpore Churamon . Raigunge Dinagepore | | | (07 (12 0 0o | | | 0.01 | 004 | 1 2 3 2 | 0 03 0 1 0 _1 0 10 | 0 (3 0 13 0 1 0 10 0 10 | 0 31 0 12 0 0 7 0 31 | 62 to 58 no 73 Co 97 24 (1 48 | 57 52 56 02 |
| | Rungpore | Baloorghat Bhawanigung (Gyabanda) Rungpore Kurigram Bagdogra (Nilphamari | • | | | | | 001 | 0 10 0 03 0 2 | N ₁ 1 1 2 1 2 2 2 | 0 23 0 07 0 03 0 17 | 03 0 If 0 i i | 0 55 0 6n 0 41 0 6k | 67 46 80 52 74 7 1 0 81 | 81 . 74 : 74 : 83 : |
| | Julpigores | Julpigoree Alipire Doa | | | | | | 0 17 | U 47 | N ₁ l | Nil 061 | N:1 | 0 30 | 125 15 | 116 |
| | Goosb Behar | Fallacotta Debigung Dminatta Cooch Behar Mickingunge Vistabhanga | | | | : | | 0 15 | 0 47 0 10 0 04 0 1 0 38 0 11 | 1 2 2 2 1 1 2 | 0 (7 ()5 ()0) ()7 ()8 ()16 | 01, | 0 40 0 43 0 27 0 28 | 142 61 101 0 127 45 187 49 147 09 | 94°C 118 : 106 : |
| | Darjeeling Hill. | Buxa Silliguri Darjeeling Kalimpong | | | | 0 24 | 0.21 | | 0 10 0 16 | 4 2 | 1 00 (22 0 k3 | 1 1 1 0 0 57 | 0 11 0 98 0 50 0 97 | 167 81 107 73 114 79 | 192 1 102 1 109 8 |
| IONTH BREAD | Parnesb . | Kissengunge Arraresh Purnesh Gondwara Balarampure | | | 0 06 | | | 0 04 | 0 10 0 6 | 2 . | (14 t 0 0 16 | 0 18 1 10 0 16 | 0 43 0 45 | 84 58 UII 88 U6 44 | 69 8 60 6 |
| | North Mhngu pore. | Matiari Kaliaganj | | | | | | 0 15 | 0 15 | 1 1 1 | 019 | 0 15 0 15 0 1 0 _9 0 19 | 0 45 0 40 1 | 81 33 79 26 54 25 54 29 66 30 | 49 47 |
| | tierbhungs . | fajpore Durbnuuga Madhubani Bakera | | | | | | 0.8 | 0 0 | 1 | (| 0 ;0 0 60 0 44 0 33 | 0 65 0 48 0 70 | 44 70 1 87 55 50 52 29 | 43 |
| | # vaniferpore | Rochers Sitemarhi Mosufferporo Hajipore Fare Mahus Sinaer | | | 0 23 | :: | 0 (6 | 0 15 0 17 0 30 0 10 | 0 19 0 1 , 0 2) | Fil 2 4 2 | \1\ 071 061 060 | Nil 0 74 0 61 0 50 | 05_ 377 06. 1 | 60 34 38 90 87 53 41 64 | 41 45 42 |
| | Chicpera, | Popri Hotipaci Beniah Angaka Barkarpa | " " | | 9.08 | .: | | 0 12 0 16 0 13 0 29 | 0 15 9 38 9 us 9 15 | 8 8 3 | 0 35 0 52 0 25 0 58 | 0°35 6 52 0 28 0 58 | 0 59 | 59 80 39'43 84 44 36'59 | 43 |

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 27th of January 1888. -concld.

| 1 | | | | | | R | LINDALL | | | 1 | Tot | Li. | | | | |
|-----------------------------|---------------|--|----------------|--------|----------|-----------------------|---------------|-----------------|----------------------|--------------|-------------|----------------------|--|--|-------------------------------------|--|
| Esteorelogical Division. | District. | Atation. | Saturday, 21st | | January. | Monday, 23rd January. | Tuesday, 24th | Mednesday, 25th | Thursday, 26th | Friday, 27th | Number of | Rainfall of | Total rain- tall since dist of month. | Aderage total rain fall from lat of month. | Total rainfall since lath May 1987. | Avera rainfi from 1: May 1: 10 day |
| NORTH BRHAN | Marub | Charach | | | | 0.53 | | | 0.33 | 0.15 | 3 3 | 0.80 | 0.89 | 0.57 0.71 | 42:58 39:71 | 4 |
| OUTH BREAK | Shahabad | Buxer Denree | | | 0.00 | 0.78 0.70 1.03 | | | 0°34 0°34 0°06 | 0.11 0.13 | 3 3 4 | 1 20 1 16 1 77 | 1°15 1°17 | 0°57 0°73 ? | 88:42 84:71 89:63 | . 4 |
| | | Arrah | | | 0.20 | 0.20 0.20 | | | 0.30 | | 2 3 1 | 1:00 0:99 1:30 | 1:00 | 0.63 0.41 0.63 | 36:44 41:34 | 1 |
| | Gya | Aurungabad | | | 0.31 | 0:33 | | | n | *** *** | 3 | 0.73 | 0.73 | 0.48 | P | |
| 9 | | (rya | 100 | **** | 0.00 | 1.23 | | | 0.03 | | 3 | 1.84 | 1.66 | 0.45 | 29°96 43°79 | 1 |
| | k: | Lat L - 4 | 332 | | 0.02 | 1.10 | | | 0.08 | 0.00 | 3 4 | 1:39 | 1°50 1°26 | 0.00 | 80°52 46°77 | 1 3 |
| į. | D. | Arwal | | | | 1'44 | | | 0.14 | | 2 | 1.28 | 1.28 | • | 40.87 | , |
| N. | | Dandnagar Sherrghati | 3357 | | 0.40 | 0.70 | | ****** | 0.20 | | 2 | 0.70 | 0.70 | ; | 29'61 | ì |
| | | Daise. L. | | | | 0.20 | oran . | | 0.23 | ****** | 2 | 0.93 | 0.82 | . ? | 86 45 | |
| j | Patna | Datus | | | | 0.43 | | •••• | | | 3 | 0.89 | | 1 | 22.54 | |
| Ĭ. | | Dinapore | | | | 0.48 | | ****** | 0.30 | 0.10 | 3 | 0 88 | 0.88 | 0.23 | 37·17 85·44 | |
| 3 | | | | | | 0.02 | 0.10 | | 0.50 | | 3 | 0:35 | 0.35 | 0°52 0 41 | 36.00 | |
| | | Bickram | | | 0.03 | 0°50 0°77 | | | 0.12 | 0.10 | 2 4 | 0.50 | 0.00 | " | 40.65 | |
| | Monghyr | | | | | 0.73 | | | 0.10 | | 2 | 0.83 | 0.83 | 0.21 | 49168 | |
| | | - CONTROL OF THE PARTY OF THE P | | | | 0.42 | | | 0.15 | | 2 | 051 | 0.22 | 0.45 | 47'19 | 1 |
| | | 11 | | | | 0.77 | | | | | Nil | Nil | Nil | 0.12 | 40100 | |
| | South Hazzul- | Sheikpura | | | | 0.40 | | 100000 | | ===x.x | | | 15NAS | , | 42.63 | 1 |
| | pore. | Bunks | 100 | | | 0.50 | | | 0.10 | 0.01 | 3 2 | 0°34 | 0.28 | 0°36 0°42 | 41.53 | 1 |
| | | L'alama | | | | 0.12 | | | 0.08 | | ī | 0.18 | 0.18 | 0.42 | 30°89 43°45 | 1 |
| | Southel Per- | Raimehal | | mass | | 0.06 | resource 1 | posed. | 0.03 | 0.09 | 8 | 0.18 | 0:18 | 0.14 | 2523237 | |
| | gunnahs. | Godds | | | | 0.12 | | | | 0 18 | 2 | 0.30 | 0.36 | 0.82 | 67:91 49:46 | |
| | | Nya Doomks | 100 | | | 0.70 | | | 0.03 | 0.08 | 3 | 0°24 | 0.32 | 0.26 | 78'07 | |
| | | Deognur | | | | 0.33 | · | | 0.02 | 0.00 | 3 3 | 0.46 | 0.48 | 0.41 | 45°25 47 20 | |
| | | Jamure | | | | 0.43 | | | 0.12 | 0.02 | 3 | 0.93 | 0 63 | 0:39 | 39:40 | 1 |
| | | | 5001 (480 | | | 0.08 | | | | 0.15 | 2 | 0.50 | 0.50 | ; | 86-74 | l |
| TUTIA NAG- | Hasaribagh | Pacnamba | | 0.18 | | | | | 0.17 | 0.03 | 3 | 0.44 | 0.64 | 0.58 | 41.61 | |
| | | (Giridi), Hazarıbaşıı Semuşurah | | | 0.04 | 0.60 | ***** | | 0.58 | 0 07 | 4 3 | 6.89 0.84 | 1.64 | 0.46 | 47:07 | |
| | | Mabudi Hil | | | ••••• | 0.46 | 0.10 | | 6'35 | | , | | 1.42 | 0.38 | 40.74 | 1 |
| | V | Jhoomrah H | lis . | | 0.20 | 8 | 1 3 | | | 1 | 2 | 0.82 | 20000 | 0.98 | | 1 |
| | | Chatra | | | 0.08 | 0.19 | | | 0.15 | ****** | 3 | 0 77 | 1.43 2.06 | 1 1 | 39.70 | 1 |
| | | Karagdeha | . | | | 0.30 | | | | | 1 | 0.30 | 0.30 | ! | 40.78 72.46 | l |
| | | | | •••• | | 0.40 | ****** | | | | 1 | 0.80 | 0.40 | 1 | 50'74 | l |
| | Lobardugga | Loharaugga | | | ***** | 0.61 | ****** | | 0.51 | 0.05 | 8 | 0.84 | 3.80 | | 56:27 | |
| | | | 2223 | | 0.17 | 0.90 | ***** | | 0.32 | 0.09 | 3 | 1.03 | 1.20 | 0.27 | 67.63 | ſ |
| | | Bulumat | | | 12120 | 15.55 | | | 1 000 | | | 83.57 | 100 | 1 | \$0.08 | 1 |
| 0 | | Hussenabad | | | | 0.53 | | | 1 | } | | | | ; | - | |
| | | Garwan | (2) (4) | | 0.90 | • | | | | 1 | | | | , | | |
| | wingbhoom | Cuyeonssa | | | | 0.78 | | | 0.14 | 0.60 | | 1.60 | | | | l |
| | | Chakradhar | _ | | | 0.92 | ****** | | 0.18 | 0.63 | 3 | 1'58 | 1.66 | 0-54 | 89.73 | |
| | | pore. Ghatsilia | | | | 0.86 | | | 0.50 | 0.33 | 8 | 1.39 | 1.89 | , | 07/14753 | |
| | | Baharagura | | | | 0.14 | | | 0.15 | 0.38 | 3 | 0.67 | 0.65 | , | 54'88 69'26 | |
| | Manbhoom | Purulia | | | | 0.12 | | | 0.58 | 0.62 | 3 | 1.10 | 1.53 | 0'37 | 45:34 | 1 |
| | 1 | Raghunath. | | | | 0.15 | | | 0.11 | 0.12 | 3 | 0.78 | 0.48 | 0.46 | 29:01 | 1 |
| | | pure. | | | | 0.11 | | | 0.18 | 0.11 | 3 | 0.40 | 0.22 | | 37'43 | 1 |
| | 1 | Barrabhoon | 200 | | | | | | 0.81 | 0.80 | 2 | 1.51 | 1.21 | , | 42.18 | 1 |
| | i i | Ala. | | | | 0.25 | | | 0.19 | 0.84 | 3 | 0.64 | | 1 | | 1 |
| | 1. | | | ****** | ****** | 0 40 | ***** | | . 010 | U 24 | 1 3 | . 001 | 0.81 | 1 | | |

Exploration. - Indicates that no rum has fallen. If the return for any day has not occurred, the corresponding space is left lank. If any of the return are wanting the corresponding spaces in the total rainfall columns are left blank.

CALOUTTA, the 31st January 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 27TH OF JANUARY 1888.

THE meteorological conditions of the past week in Bengal have been mainly dependent on the development and advance of an area of barometric depression which made its appearance over Northern India, and which afterwards drifted in a south-easterly direction over South Orissa and across the Bay of Bengal. On Friday the 20th, or the last day of the previous week, the weather conditions over the whole of India were fairly normal, except that a large low pressure area was appearing, the centre of which was south of Quetta and west of Jacobabad. On the 21st the area of low pressure moved to the cast-south-eastward, and a large diffused depression existed over Sind, Guzerat, Central India and the Berars. On the 22nd the depression concentrated and became rather more local, and the centre appeared to the west of Ajmere and Jeypore. On the 23rd the depression travelled slowly south-castward, and the centre was near Sconi in the Central Provinces, while on the 24th it had advanced to near Raipur. On the 25th and 26th the depression continued its east-south-easterly advance, and on the 27th it was near Gopalpur, and it subsequently crossed the Bay of Bengal to Akyab. This depression or feeble storm has naturally very materially influenced the weather in Bengal, and the usual north-east monsoon conditions became almost entirely reversed. The reversal of the conditions commenced in the western and northern districts and gradually spread over the eastern and south-eastern. Thus from about the 22nd skies clouded over and rain commenced to fall in South Behar and Chutia Nagpur; these conditions extended to parts of South-West Bengal on the 28rd, and on the 26th and 27th disturbed conditions existed over the whole province and moderate to heavy rain became general in all districts. At the same time the northerly wind current which had been previously blowing over Bengal became almost reversed, and light southerly winds were reported in many instances. Humidity also rose very rapidly, while the night temperatures increased, though the day temperatures still remained low. Thus at the close of the week dull gloomy weather with rain and decidedly low day temperatures prevailed generally over the province.

Barometer.—Pressure was increasing at the commencement of the week, but from the 24th a rather rapid fall set in, owing to the advance of the depression. The falling barometer then lasted till the end of the week. The mean pressure for the whole week for the whole province has, however, been in excess of the normal by 0.02 inch. The excess pressure has, however, been largest in the north of the province, where at Durbhunga it has equalled 0.057 inch, while in the southern districts the excess has been generally small, and at False Point the pressure during the week has been even slightly in defect, thus showing that the southern districts of the province were being most effected by the advancing depression.

Temperature.—The mean temperature for the week has in most districts been largely below the normal; thus in Chutia Nagpur and South Behar the defect of the actual from the normal mean temperature has been between 4° and 5°, in North Behar and South-West Bengal the defect has been about 3°, and in East and North Bengal it has equalled about 1°, though in Orissa the small defect of 0.6° has been registered. For the whole province the mean temperature of the week has been 2.4° below the normal.

As has been previously stated, the day or maximum temperatures have shown the greatest deficiency owing to the cloudy weather and rainfail, and thus at some stations the average maximum or day temperature for the week has been 7° and 8° below the normal, while at Hazaribagh and Gya the defect has been between 8° and 9.° That the defects have been principally in the day temperatures is seen from the figures in the following table, where the average maximum, minimum and mean temperatures for the week at nine typical selected stations in different districts of the province are compared with the normal values for the same period. It will be seen that the average maximum or day temperature of these nine stations has been 5.8° bel with normal, while the average of the night or minimum temperature has been only 0.6° in defect

Table showing the excess or defect of the actual temperature from the normal mean for the week ending the 27th January 1888.

| es e | mum tem- | perature for the week | of the actual tem- perature | mum tem- perature | poratore for the week | Excess or defect of the actual tempera- ture from the normal mean. | Normal mean dady tempera- ture for the week ending 27th January. | ture for the week | Excess or defect of the netual tempera- tore from the normal mean. |
|--|--|--|--|---|--|---|--|--|--|
| Cuttack Calcutts (Alipore) Daces Burdwan Patus (Baukipore) Gys Parneah Hazaribagh Darjeeling | 85'4 77'9 78'3 78'6 78'5 76'3 76'5 73'5 44 5 | 85:5 72:0 74:6 78:5 68:5 68:4 68:3 - 65:2 40:0 | -19 -59 -87 -61 -70 -81 -73 -83 | 80° 5 55° 7 54° 5 54° 5 49° 3 51° 9 47° 7 56° 5 83° 0 | 61:7 53:9 53:9 54:0 49:4 50:0 47:7 48:9 3-16 | +1'2 -1'4 -0'0 -0'0 +0'1 -1'0 0 -1'6 -1'0 | 73°0 66°8 66°8 66°7 61°4 64°2 61°3 62°0 89°1 | 72.6 63.2 04.3 65.7 68.0 64.2 65.0 27.0 36.3 | -0.4 -3.6 -2.3 -3.0 -5.4 -5.0 -3.6 -5.0 -2.3 |

Rainfall.—The causes of the occurrence of the general rainfall during the week have already been discussed. Rainfall has been heaviest in Chutia Nagour; South-Behar and South-West Bengal, where the amounts have averaged almost an inch; in Orissa and East Bengal the falls have equalled an average amount of nearly two-thirds of an inch, and in North Behar a general fall of about half an inch has been received. The rainfall has been smallest in amount in North Bengal, where, up to the close of the week, the average fall had only amounted to 0.15 inch. For the whole province there has therefore been a general average fall of 0.64 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 27th of January 1888:—

| | | | | BWLR | BATUR | B. | | | | | K | AINY | Li. | | | | |
|------------------------------|-----|-------------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|------------|-----------------|------------|-------------------------|-------------------------------------|------------|-----------|-----------------|----------|-----------------|
| | | K week. | # 66k. | Avera | res for | week. | Above or week, | (|)t wee | k. | R | any di | ys. | | int of | May | 15th 1887. |
| METEOROLOGICAL DIVISIONS. | | Highert observed during | Lowest observed during | of highest of each day, | " lowest of each day. | Of mean for each day, | trerage menn of weak a | .A verage. | Normal average. | Fariation. | Argrage number in week. | Normal average num- ber in week. | Yariation. | 1 verage. | Normal average. | Arerage. | Normal average. |
| Orissa | | 85'8 | 48'6 | 78.7 | 61.0 | 69.8 | -0.0 | 0 80 | 0.10 | +0.70 | 1.8 | 0.3 | +1.2 | 0.80 | 0.54 | 41.22 | 54'17 |
| South-West Bengal | | 79.3 | 43.9 | 73.2 | 23.8 | 63.2 | -31 | 0.84 | 0.15 | +0.45 | 2.3 | 0.3 | +2.0 | 0.82 | 0.37 | 47'56 | 52'19 |
| Bast Bengal | | 79.6 | 45'5 | 74'9 | 62.8 | 63.9 | 1.0 | 0.02 | 0.16 | + 0.49 | 1.3 | 0.4 | +0.3 | 0.62 | 0.46 | 20.12 | 74'58 |
| North Bengal | | 76'8 | 42.3 | 72'3 | 80.0 | 61.4 | -0.8 | 0.12 | 0.11 | +6.07 | 1'3 | 0.4 | + 0.0 | 0.10 | 0.89 | 78.70 | 70.01 |
| North Beha: | | 72.2 | 42.9 | 67:2 | 50.0 | 8.89 | -2.7 | 0.48 | 0.51 | + 0.52 | 2.1 | 0.2 | 41.9 | 0-48 | 0.02 | 62.22 | 48:47 |
| South Mehar | | 75'4 | 42.9 | 67:2 | 40.0 | 58.8 | -4.0 | 0.80 | 0.15 | + 0.08 | 2.8 | 0.4 | + 2'4 | 0.84 | 0.46 | 42-69 | 43.08 |
| Onutia Naspur | . 1 | 71'5* | 41.4. | 66.6- | 48.6 | 57.00 | -4.2. | 0.82 | 0.12 | +0.70 | 2.8 | 0.4 | +2.4 | 1.12 | 0.44 | 45.71 | 49:37 |

[·] Chyebassa not included.

MATROROLOGICAL OFFICE, BRNGAL;

A. PEDLER,

The 31st January 1888.

Offg. Meteurological Reporter to the Gent. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 22nd to 28th January 1888.

| | | | TEMPERA | TULE. | . 1 | | HY | BOMETRE. | | |
|----------------------|--|--|--|--|--|--|--|--|--|--------------------------------------|
| Montu | Date. | Mean. | Maximum, | Range, | Minimum, | Mean wet bulb. | Vapour tension. | Dew point. | Homidity. | Rain, |
| 1888. | | • | | 6 | | • | Inches. | • | % | Inches |
| January ,, ,, ,, ,, | 22nd 23rd 24th 25th 25th 26 h 27th 28th | 62·7 58·4 64·3 65·5 60·9 63·4 64·6 | 75·4 65·9 76·1 72·9 72·9 69·1 72·4 | 2;-0 13·0 21·2 13·0 18·0 11·7 18·9 | 49 4 52 9 54 9 59 9 54 9 57 4 58 5 | 54 5 66 5 61 7 59 1 59 3 62 5 60 0 | *318 *433 *517 *418 *485 *555 *458 | 46 6 54 9 59 9 54 0 58 1 61 9 56 5 | 56 89 86 66 90 95 75 | 0.00 0.08 0.03 0.18 0.74 |

| | | | | | • |
|--------------------------------------|-------------|-----------|-----|-----|---------|
| The mean temperature of the ser | | ••• | ••• | | 62.8 |
| The extreme variation of temperature | ature | ••• | ••• | | 26.7 |
| The maximum temperature | *** | ••• | | ••• | 76.1 |
| The mean relative humidity | •• | ••• | | ••• | °/80 |
| The total fall of rain from 22nd | to 28th Jan | nary 1888 | | | Inches. |

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and ninimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

The 30th January 1888.

Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th January 1888

| - | 1 | | bright | ometer | - " | 'KMPEK | ATURB | | | Пуско | METRY | | WIND | | | 1 |
|--------|--------|----------------|--------------------|------------------------|--------|----------|-------|--------|---------------|----------------|------------|----------|-----------------------|-----------------|--------------|---|
| Month. | Date. | Мяхішот іп чав | Vumber of hours of | Wen pressure barometer | Mein | , aximum | Range | Итышаш | Wean wet buib | Vapour t psion | D.a point. | Humidity | Provaning di ceti n | Mi'es see ried. | Run | Weather. |
| 1888 | | 0 | | Inshes | o | 0 | 0 | 0 | 0 | lur . | 0 | 1% | | | In . | |
| Jan | 22nd | 120 9 | 8 7 | 30 053 | 60 7 | 73 7 | 24.2 | 19 5 | 536 | 0 320 | 468 | 64 | Calm and variable | 1, | Nil | (hiefly clour, |
| 1) | 23rd | 81 6 | Nil | . 051 | 59 1 | 65 0 | 11 5 | 53 5 | 55 9 | 409 | 53 3 | 81 | N by E an i calm | n | 0 11 | Chiefly cloudy |
| " | 21th | 133 1 | 55 | 021 | 63 8 | 71 1 | 190 | 55 1 | 60 3 | 492 | 57 9 | 82 | N by F, W NW and calm | 20 | Nil | (hadly cloudy |
| " | 25th | 128 3 | 53 | 030 | 617 | 716 | 11 3 | 60 3 | 59.2 | 432 | 51 3 | 72 | NNE and culm | 6, | 000 | Chiefly cloudy |
| " | 26th | 128 5 | 39 | 29 98c | 62 0 | 73.5 | 17 1 | 56 4 | 58 0 | 432 | 54 9 | 78 | INF and variable | 91 | 017 | Chilly cloudy |
| 11 | 27th | 94 3 | 0.5 | 932 | 63 1 | 65 1 | 10 1 | 58 3 | 61 1 | 510 | 59 5 | 87 | ENE and N | 73 | 0 57 | (1 uly 0, p |
| N | 28th | 127 5 | 98 | 915 | 62 1 | 70 6 | 11 | 59 2 | 57 8 | 421 | 512 | 75 | NNW and NW | 94 | 0 02 | Morning clouds div div and might clear of |
| | | | | ne of the | | | | ng pe | riod : | for 24 | year | s, S | . G.'s Office | | 30 0 29 9 | 96 |
| | | | | r of ho | | | | | | | | | | | 38 | 3.7 |
| | l'he n | axım | um p | ossible | num} | er of | hour | s of s | unshi | ne | ••• | | ••• | ••• | | 5.9 |
| , | The n | nean t | empe | rature | of the | sever | n day | 8 | | | | | | | | O !⊰ |
| ' | Che a | verage | e tem | peratur | e of t | he co | respo | ondin | g per | iod fo | r 21 | year | rs, S. G.'s Office | | 68 | 5 |
| | | | | ation o | | perat | ure | | ••• | | ••• | | | ••• | 24 | |
| - | rne n | iaxim | um te | mperat | ure | | ••• | | ••• | | ••• | | ••• | •• | 74 Mile | |
| 7 | he h | ghest | velo | rity of | the w | ınd ır | one | hour | ••• | | | | 1446 | | | 0 |
| 7 | he h | ighest | pres | sure of | wind | on or | ne sq | uare f | loot | | | | **** | | | 2 |
| | 11 | | | | 11. | | | | | | | | | | 2 | 0 |
| | | | | e humi | | | e cor | reano | ndino | nerio | d for | 24 | years, S. G.'s Of | fice | | 7 0 |
| • | | Liago | TOTAL | ATO HUI | | OI VII | 5 501 | . copo | | Perio | 4 101 | ~ '11 | , care, c. a. a or | 1100 | Inch | |
| η | he to | tal fa | ll of | ram fro | m 22 | nd to | 28th | Janu | arv 1 | 888 | | | | | 0.9 | |
| | | | | of the c | | | | | | | , S. (| 7.'s | Office | | 0.1 | |
| 7 | he to | tal fa | ll from | m 1st to | o 28tl | Janı | uary | 1888 | | | | | ••• | | 0.93 | 3 |
| 1 | he av | erage | fall | of the c | orres | ondi | ig be | riod f | or 24 | vear | . S. | G.'8 | Office | | 0.28 | 3 |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The average fall of the corresponding period for 24 years, S. G.'s Office

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet shove the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The month of the rain-gauge is one foot above the ground. o overcast, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lightning, a dew , = fug. A. PEDLER,

for Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA; Calcutta, the 30th January 1888.

11.0

MEMORANDUM.

THE table annexed to this memorandum shows:-

1. That during the week ending 7th January 1888, the birth and death-rates of the principal Municipalities in Bongal amounted to 210 and 26.9 per 1,000 of population, respectively, as opposed to 25.6 and 30.7 per 1,000 respectively, in the preceding week ending 31st December, indicating a very considerable decrease in the registration of both.

2. That they were registered in the highest proportions by the following

Municipalities:-

| | | Births. | | | | Death | 8. | | | |
|------------|-----|---------|-----|------------------|------------|----------|-----|-----|---------|------------------|
| | | | | Ratio per mille. | | | | | | Ratio per mille. |
| Narainganj | | ••• | ••• | 49.7 | Subarbs of | Calcutta | | | ••• | 48.6 |
| Howrah | ••• | ••• | | 30.3 | Utterpara | *** | | | ••• | 37.8 |
| Durbhanga | *** | | ••• | 28 3 | Kishnagar | | *** | | | 37.8 |
| Hughli | | | | 26.3 | Beauleah | *** | ••• | | | 36.8 |
| Bhagulpur | *** | | | 28.1 | Serampur | | | | **** | 35.4 |
| | | | | - 1 | Narainganj | | | 3.0 | • • • • | 33.1 |
| | | | | | Hughti | *** | | | | 30.8 |
| | | | | | Howrah | ••• | *** | | | 303 |
| | | | | 1 | Burdwan | | | | ••• | 29.0 |

3. That, contrasted with the results of the preceeding week, it appears that there occurred a sensible decrease of mortality from fever and bowel-complaints, notably from the former; fractional decreases in fatal results from cholera and the maladies grouped under the head of "Other causes," and no variation in fatality from small-pox and injury :-

| | | | | | Ratio per | mille during | the weeks ending- |
|--------------|-------|-----|------|-----|-----------|--------------|-------------------|
| | | | | | 7th J | nn. 1888. | 31st Dec. 1887. |
| Cholera | *** | ••• | 10.5 | | 202 | 2.9 | 3.3 |
| Small-pox | | | | ••• | | .()3 | 03 |
| Fever | | ••• | | *** | | 11.3 | 13:3 |
| Bowel-compl | aints | ••• | | | ••• | 4.4 | 5.2 |
| Injury | ••• | | ••• | | *** | .5 | 2 |
| Other causes | | ••• | ••• | | *** | 8.1 | 83 |
| | | | | | | | |

4. That in local incidence of the diseases above named, while no Municipality presented noticeably high mortality from small-pox, bowel-complaints and injury, the following Municipalities exhibited the death-rates noted opposite thefa from cholera, fever and "other causes."

| Cholera. | | Fever. | | Other causes. | |
|--|-----------------------------------|---|----------------------------------|--|---|
| Santipur Suburbs of Calcutta Dacca | Entro per melle 14 0 10 1 3 2 | Beauleah Narainganj Kishn agar | Ratio per mille 31:5 2,1:() 24:5 | Scrampur Suburbs of Calcutta Gya Kishnagar Bhagulpur Puri | Ratio per mille 18:7 13:4 13:0 11:3 10:9 10:5 |

5. That the mortality referable to Sex, Class and Age, stood as follows: -

| According to Ses | r. | Accura | ling to | Class. | | A | ccordi | y to A | ge. | |
|---|--------------------|--------|---------|--------|----------------------|---------------------------|--|--------|-----|--|
| 1 | latio per mulle | | | | nulle. | | | | | tio por mille. |
| Males Females Ratio of male deaths to every 100 female deaths | 26·7 H | . 1 | | | 26·1 26·8 27·5 | 1 and 5 10 16 20 30 40 50 | 1 year under & 16 20 30 40 60 rs and u |) " | | 174.9 30.3 15.1 7.2 19.9 18.0 19.8 22.4 28.4 |

R. LIDDERDALE, M.D., Deputy Surgeon - General,

The 28th Jenuary 1888

Sanitary Commissioner for Bengal.

| | 4.77 | | | | - | - | | | - | | | | 1 | | | | | 1 | | | | | | | 1 | | | | - | 1 | |
|------------|-------------------|----------|-----------|---|--------------|--------|----------|----------|--------------|--|---------------------------------------|-----------------------|-------------|------------|----------|-------------------|-------------------|---------------|-------------|----------------------------------|-----------|-----------|---------------------|------------------|-------------|--|---------|----------|-------------------------|--|------------------|
| | • | | | Popul Arton | rrfor | | | | DIOTAGE | 9.0 | | | | | | | | | | | MOR | MORTALITY | 23 | ACCORDIN | NG TO | 1 | | | | | |
| 100 | | | | - | | | | | | i | | | | | | | | | Ð | Disease. | | | 1 | | | | | | | Sex | |
| ECTE. NAME | BING OF MUNICI. | UNIC | <u></u> | <u>.</u> | | 2 | NUMBER | 100 | RATI OF P | RATIO PER 1.000 OF POPULATION PER ANNUM. | 10 M | Treve of H | | | Вватив | B PROM | 1 | | | RATIO PER | | 1,000 OF | Popul | POPULATION M. | PRR | le 699,1 ni muan | | РВАТИВ. | RATIO 1.00- POPUL | RATIO PER 1.00+ OP POPULATION PERANNUM. | of gifted |
| | Tarata. | zi Sa | .fales. | Metralos. | -letol | Hules. | gomales. | l'otal. | Aulos. | 'solumo'. | fotul. | Ratio of male birtle. | Cholera. | ·rod-flunk | Pevers. | Bowel-complaints. | Vineri) | The diseases. | All causes. | Cholera. — — — — — Amall-pox. | - Freeze, | | | -к.жизегр доц16) | All causes. | You so deachs por Marins por Mari | Jalus. | Compas. | Anles. | Females | datio of male de |
| For a Burn | Rardwan | : | 15. | 15,063 16,0.7 | .7 34,08º | 7 | - | ď | 10.7 | 1.2 | 13.2 | 200 | - | | 7 | 0 | -: | ю | 1.01 | 10 | . 10 | | 9.5 | | 9.76 | 32.0 | | , 11 | 1 25.0 | 55.7 | 27 |
| Mid. | ş | : | - | | 33,540 | | • | 1- | 4.6 | 6.5 | 13.8 | 10 | (00) (4) | : | ** | 71 | | 01 | 1~ | - | ं | 24 | 3.1 | | 10.4 | 13 | 13.9 | | . 6.1 | 15.5 | \$ |
| Hug | Bughli and Chi | Surah | ğ | 985,91 971,91 | 38,718 | 8 13 | ¢ | FI | 17.5 | 10.2 | 20 | 162 | - | : | : | • | | 4 | 653 | .3 | - | 5. | . 1.9 | * | 6.08 | 4 | 11 9 11 | 11. | 5.0.5 | 11.18 | 76 |
| Sera Sera | Serampore | i | .3, | 13,559 12,937 | 37 26,49R | | | : | 13.7 | 13.7 | 27.2 | 140 | 1 | : | ۲ | + | 5 | r- | ď. | | - | 2.2 | ! | 1 | 7.78 | 35.3 | * | 3 1: | 0.85 | 4 | |
| T Dies | Utterpera | i | ю́ : | 3,146 2,464 | 64 5.510 | - - | - | 21 | 6 | å | 6.51 | 13 | | i i | II. | - | 727 | er. | - | 0.8 | | * | 1.4 | 8.43 | S. 22. 8 | 1 | 6.41 | 20 | 1 : 51.2 | 21.1 | 30 |
| Howrah | da. | : | 53, | 53,153 37,660 | 60 90,813 | 30 | | · 60 | 22 | 13.1 | 89.3 | 130 | 65 | 1 | 2 | 1.5 | 4 | 13 | 12 | !* | 11 | 6 f.at | 4.6 | , x | 5 34-3 | 11 | 1.1 | 63 | 4 21.5 | 37.1 | ç |
| - | : | : | 1 | 7,836 6,979 | 14,815 | 1 | | | 8.5 | 11.0 | 17.5 | 52 | : | | o. | 60 | | 71 | * | - (5) 321 - (6) | 4 | 10.5 | r. | Ē. | ; 6 | e | 15 | | 4 21.3 | 5.7 | 100 |
| Suba | Suburbs of Calent | ıtta | 147. | 47,205 104,234 | 81 251,439 | 37 | 15 | 2 | 9.1 | 11.2 | 18.8 | 69 | 6 | : | y 1- | 9 | n | 3 | 2.55 10 | 1.0 | 1. | N 1.51 | 7 | 13. | 1 12 1 | 25 | 58.3 11 | č. | 5.13 | e 24 | 155 |
| K | Kishnaghur | : | | 13,263 14,914 | 14 27,477 | | - | œ | 1.2 | 1.7 | 12.1 | 0.0 | - | : | 13 | | 1 | 9 | - 60 | 6. | ī., | 513 | # 000 000 | 1.3 | 128 | 36 | 80.3 | - | 3 27.4 | 7.17 | 53 |
| Esn. | Renaghat | : | · | 4,028 4,655 | 8,643 | : | | 89 | : | | 18.0 | No male | 1 | 1 | 8 | 7 4 8 | | - | 97 | 33 | - | | | 8 | 14.0 | | 0.7 | | : | 7 | No male deat |
| San (| Sautipore | : | 115. | 15,798 15,979 | 19 59,657 | 12 | 7 | 2. | 1.7 | 1. | 13.8 | 123 | æ | : | 1. | : | 5. 55. | | 11 51 | | 21 | 17.7 | 60 | 101 | 5.95 | 4 | 1 14 | | 7 7 9 | 13.3 | 139 |
| : | | • | ÷ | 4,530 3,655 | 55 '8 S | | - | 91 | 6.1 | 6.1 | 12.3 | 13 | i | | 99 | 4 | 0f - 11 - 0 | 100 | 3 | | 4 | | 51 11 120 | 1 | 15.3 | ¥ | 0.53 | # == | 2 1-7-7 | 25.7 | 2 |
| : | Ratup re Beauleah | u. | 111. | 11,568 9,025 | 19,791 | 2 | 01 | | 13.1 | ?1 | 18.1 | | : | | 1.2 | | | 21 | 11 | 1 25 | | .: | 1 (S 2) 2 (2) | 12 | 3. 1. N | × 15 | , | | 7.17 | 6.12 | 50 |
| 2day | Partition | i | . 5 | 5,629 2,947 | 7,976 | | : | 1 | | | ; | ٠ | | - | 1 | | | # # # | | | 100 | 7 | 100 | 5 | 8 | 7.21 | | | 9 | 1 | : |
| To account | | i | 4 | 40,782 87,879 | 19 \$0.161 | 1 16 | 13 | | 10 3 | * 4 | 8.51 | H | 10 | | 12 | - | - | 1 | 31 3 | 3.5 | 9. | 2.5 | 9 | i. | 1 6 | | 5.5 | 1 | 1.45 | 19.3 | 151 |
| • | A STATUS ONE | \$5 | 36 1 | 40.04 40.034 | M 12,543 | • | | 22 | 16.5 | 34.1 | 1.61 | £ | : | | 1. | | | - | v | | ी | 11.00 | - | • | 5.3 1 | | į. | - | 1 47 1 | | |
| | Chicheone | | | #17# 2.2 | m 22,13 | 20 | • | 1. | 2. | 1 5 | 16.4 | 22 | | | • | | | | æ 31 | 6.5 | 20 | 1.0 | - | Ņ | 1.71 | 25.5 | , | | 5.01 | <u>:</u> | 25)4 |
| ppersb Lon | Comman | | 6 | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | 54 15.25 G | | 7 | • | 9.11 | × | 1:1 | 8(8) | | | 87 | | : | , | : | | 11 | 13. | | | 9.11 | 18 | - | | 100 | * 350 | 62 |
| Ē . | Faire City | ÷ | <i>i.</i> | 22 | - | 1: | 55 | ř. | 9.00 | 10.0 | 4.23 | 133 | ŝ1 | : | 17 71 | s | 1 | 12 | . 70 | ş | , | 71 | | , | 1 | S. | 19 5 | : 66 | 10.5 | ÷. | 6 |
| i i | * | ï | | 17 to 17.7 | 75. P. P. | | ā | r. | 5 | :: | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 03 | | | Ξ | | - | 2 | 31 | | د . | , | ! | 13.5 | 5.15 | 1.7. | Į. | il . | 77.71 | 71 17 | 9 |
| : | | | a | 2000 | 5 414 45 | 13 | - | 3) | 13.5 | , 13 | | =: | | | 10 | *1 | į | 22 | 1.5 | | 7 | 31 | 1. | 72 | 17.0 | 17. | | | 2 2 3 3 | 13.9 | 150 |
| : | Mozur erpore | 3 | 6 | NO 101 TAN 60 | 28 45 74.2 | 17 | | t | | 22 | ž. | 1:0 | - 2 | | ?! | (3) | | 1- | | | ŝ) | | | | 1:1:1 | æ | 0.8 | 4 | 3 13 3 | 7: i- | 200 |
| burbhanka | Interhibition . | Ė | 35 | | | Π | 13 | ec. | 45; 45; | 11.5 | 2 | 140 | - | | 15 | 11 | | 2) | ā | | Ξ | , | * | 1.5 | ? ?! | | | | ÷ ; ; | 1.43 | 171 |
| : | | | 95 | 56. ** . ** | - | , | ŧ | , | 1.5 | 8.2 | 1 | 55.50 | : | | 41 | | 1 | | 91 | | | 7 | | : | | - | | 1 | | 1.9 | 103 |
| | Sharalpore | • | 31 | | | | | 25 | 12. | 4 111 | 1.57 | 158 | : | | a | 1. | | ** | - 5 | | | _ | 6.3 | 10.0 | £1 |)#4 # | . 13 | 13 | \$ 20.3 | 51.3 | 115 |
| | Monrbyr | ŧ | 6i : | - | | #) | - | ä | 12.1 | 10.8 | 7.43 | :: | 1 | | - | | 7 | | 91 | | • - | 20 | • | 2 7 2 | 1.5.1 | 10.8 | 8 11 | 9 | 3 23 9 | 10.6 | 233 |
| | r rreenn | ÷ | | | - | :1 | | r) | Ş | 1.01 | 17.3 | 99 | .: | • | | | | B | 10 | | 21 | | | : | 17.3 | 1.12 | | 23 | 8 12.3 | \$3.8 | * |
| | :* | i | 2 | 18,247 11,537 | 24.75 | | | • ! | 5. | 6.3 | : | 35 | 61 | 1 | 10 | _ | | 6 | 13 +.3 | ; | .01 | 71 | | 10.2 | \$ 1.2 | 33 6 | 6 10 | | 3 39.3 | 13.5 | 8538 |
| | - | Total | 102,890 | 890 818,CO | 1,322,7581 | 77. | 3 | 8 | 6.01 | 1.01 | 0.12 | 108 | 1.1 | - | 3 | 113 | 8 | 982 | 78 | 1 6 | 2.11 | | | 1.8 | 6.95 | 20.2 | 7 386 | 3 313 | 8 27.1 | 26.7 | 113 |

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|--|--------------------|-----------------|--|-------------|---------------|-------------|-------------|----------------|-------------|--|---|---------------|-------------|---------------------|----------------|------------------|-----------------|---------------------------|---|---------------------------------------|-----------------|-------|--------|---------------------|--------------------|------------------|----------------|--------------------------|------------------|-----------------|--------------------------|-----------------|
| | | | 1 | | | 1 | | | | | | | | | | Ħ | MORTALITY | | ACCO. | ACCORDING | T0- | | | | | | | | | | | |
| | | | 1 | | | | | Class | | | | | | | | | | | | | | | Age | | | | | | | | | |
| PINTRICTS, | FAMES OF MUNICI- | HITTNICE ES. | <u>. </u> | 1 | DRATHS AMONG- | AMONA | ļ | M | A 110 P | BAIIO PER 1,000 OF POPULA- 1103 PER ANNUM | ANNU | PULA- | | | | A.T. | Вватив | | | | | _ ~ | | | BATIO PER 1,046 OF | PER 1,0 | | POPULATION | PBR | ATREA | | |
| | | | | -anaiterrid | -enbail | Mahomedans. | #38udbbutl | Other chasses. | -analtand) | Hmdus — — | Укиотебала ——————————————————————————————————— | Other classes | Tast I read | 8720y 67 shau bun 1 | of tehnu bas ? | Il Təbau briz of | 02 19bnu bas 21 | 06 rebrai ban 02 87697 | 04 Tibun hun 04 478 / 05 Tibun hun 04 | 871), 871), 100 Tobrin bin 02 | qu bus siner at | Урлим | | rasev ? rebrin bue! | S and under 10 | al Tibuti han (1 | 1 and under 20 | 08 Tebnu bna 02 8783/ | 00 robnu bna 00' | 0d 10bnu hna 04 | 08 19bau bas 03 81832 | 60 years and up |
| (bd was | Burdesan | 1 | - | - | | 9 | - | - | 91 | 20 4 30 | : | | | l cons | | | - | ۵ | - | t- | - | Ф1 | * 7 | - | | | 14 | 4 45 | 10 | 78 | 2 | |
| • | W.dnanora | | | - | | - | | | | 130 | 7.3 | | - | 5-60- | - | - | | - | | - | - | - | 70 0 | | 19.9 | 17.1 | | 1 1 | | 110 | 71 | 53 |
| facthii | d Chir | neurah | | | 171 | 9 | | - | | 27.9 | 12 | 17 | | - | • | oretis. | - | 10 | 91 | | n | - | 16.0 1 | 19.5 | 2 62 | | | 34 9 | * | | 1.7 | 88 |
| | | | | ٠, | 18 | 04 | 0111 | | 1630 | 111/11/11 | . 4 011 | | -51 | 1 | _ | - | - | N | 91 | es : | | - | c 941 | ۵. ۲. | | 33 | 13 9 | 193 | 20 .4 | \$ | | 22 |
| Parampore | " | • | | - | • | | | | - | 39.0 | 4 | | _ | | _ | | | | 0 | 71 | 22 | 9) | | | | | 1 | | | † S† 1 | | 9 |
| | | 1 | | i | 8 | 8 | - | | | 25 2 5 | 2 09 | i in | ाँ == | 10 | . – | | + | + | - | , · | 01 | _ | | 63.8 | 7 | | | *) *) - | 3, 9 | SI 5 | 9 | ine D |
| Bowrah | - (Ball . | : | ٠ | • | 7 | 1 | • | | | 27.1 8 | 30 7 | - | - 1 | | | | - - | - | ; | | ē | • ; | 28. 3 | | | 1 | | | | 250 | | 713 |
| Porgunnahs | Saburbs of Calcutt | atte . | ŧ | * | 134 | 42 | | | 28 55 | • | 0 74 | | 61 0 | e | 1 | | 19 | 3 ° | . 6 | 3 01 | ; - | | 3 64 5 | 7 2 | r - | , i | • | 8 18 | | 618 | 3 3 | 767 |
| | Kishnaghur | : | | | 16 | + | - | - | | | 25.1 | | | | | • | • | 1 | | | | | | | | | ž | | 25 | | | _ |
| adde | . Banaghat . | • | | | - | он , | | | | - 7 | · · | | | | - | | - | - | - | ~ | ٥ | | 1 | | 1.7 | | 1 | _ | - | | ٠ | 13.5 |
| | Santipore | • | - | - | : • | | | | | | | | | 177 | | | | | | | | | | 10 | 131 1 | - | | | | - | | |
| | Dempore Renilon | | | | | | | - | - | | 37.1 | | | _ | | 1 | - | 21 | ~2 | ~ | | ~ | 125.1 | 3 | | ~ | 7 | 50 | 55. | | | 1617 |
| | Darning | ; · | 7 | _ | | | Ni Separ | | | | | | | | | | - | | | | | - | | | | | | | _ | - | | |
| N. S. S. S. S. S. S. S. S. S. S. S. S. S. | (Dacca | : | 5 | - | 16 | 2 | | -"- | 109 5 | 28.3 | 18.5 | | | | | - | 01 | • | יי מ | 7 | J., | _ | 13-0 | 1. | 5.5 | 3 | ± | 3 13 6 | | 2 ' | = - | 6 18 0 |
| | \ Narasagunge | | :: | | 0 | 60 | | | | 41.1 | 55 53 | 3.5 | | _ | 21 | | | | | 1 | н, | 01 | 1793 | 2 . | | - | | | • | | £ . | 1 159 |
| Magazin | Chittagong | : | _ | 7 | 1 | • | | | 653 | 0 6 | 136 | | | | | - | | 2000 | - | | - | -1 7 | | 4 0Z | | ۾ — | •1 | | - | | • | TAL 5 |
| 1 | Comillab | : | | | | * | | | | , | | | ी | | | | _ | c | | | | ۷ ۲ | | | | | | - | - | | ; | + (CT 1 |
| | Patna Oity | : | | | \$ | 7 | | _ | | 0 11 | 0 2 | | ž | | | | - | | | , , | , , | _ | 2 2 | 2 78 | 2 | , 1 | , , | - | - - | 10 | | _ |
| | | : | ======================================= | ! | a : | ㅋ . | | | | - | 16.8 | | | 91 | · · | - | · . | 1 | н | ~, | - | + | | 11.7 | 10 | | | | 1, | ٠. بئ | , B | n |
| | Arras | : | | ! | ; ° | • • | : | - | | 13.9 | 21 | : | q | 04 | | | - | | 01 | 8 | - | | 113 4 | | | _ | 17 | 1 | - | 31 | | c |
| | Hosnaerpore | i | | | | • F | : | | | - | 32.6 | | | 9 | · · | - | - i | e) | 61 | 63 | 21 | 2 | 1 01 | 31.5 | 8 | | 1 | 1* | n | , 14 | 23 | 118 21 |
| 1.00 | - | | : | _ | - | - | | | | 13 | 8.4 | | | - | - | | - | - | | 1 | | - | | | | _ | | - | 13 | * | 3 | |
| | Bharralpor | i i | : | ! | 21 | | · i | | | 8 8 7 | 18.1 | → ~ | | 1. | 91 | | - | 6 | 84 | ę | 21 | • | 4 408 | 19 2 | # | | 21 | 11 | 63 | 5 | 12 8 | 11 |
| | Monthy: | : | | | 92 | • | ; | | - | 9.81 | 16 3 | | | 8 | 1. | | • | 63 | 93 | * | | 17 | 105 1 | * | - | | 13 | 3 10 | _ | 14 | 8 | 101 |
| | Parson | : | i | 44 | • | - | i | | : | 7.22 | 91, | | | - | 0 | • | _ | - | - | | 91 | | 183 7 | | - | · | | - 12 | 00 | 24 | | 0111 |
| The state of the s | THE I | : | , | 1 | = | 1 | : | 1 | : : | 87.8 | 1 | -1 | * 3 | 01 0 | - 8 | | : | 18 | - : | • 8 | 12 | 13 | 313 2 | 18 |] | - | T | . 0 | 2 , 2 | 5 3 5 3 | 18 | 1: |
| いる機能 | 4 | TOTAL | | • | | | | | | - | 0 12 | | • | | | | | | | | | | | 0 00 | | | | | | | | |

PRICE OF SAHTARY COMMISSIONER FOR BURGAL,

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 2-th January 1888, as compared with the corresponding week of the previous year.

| | | WEEK R | NDING SATUR | NAY, THE | WREE FN 2911 | DING SATURD L JANUARY 185 | 4), THE |
|---|---------|---------------------------|--|--------------------------------|---------------------------|---|--------------------------------|
| NATE RE O | F CARGO | Number of coats | Weight of | Tollage | Number of bonts | Weight of | Follage |
| | | No | Mds. | Rs. | No | Mds | Rs |
| Rice and paddy Jute Firewood Other articles | | 1,832 241 90 961 | 4,99,075 1,07,075 59,700 2,1×,080 | 9,592 1,856 909 3,251 | 1.745 86 105 910 | 2,62,667 56,126 4,850 2,20,795 | 5,096 1,000 877 3 J50 |
| | Tota | 3,121 | 8,53,930 | 15,638 | 2,516 | 6,04,438 | 10 29. |

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October 1887, as compared with the same month of the previous year.

| 8 | ti d | | | | | 18 | 87. | 1886 | | To | TAJ. | | |
|--|---------|--------|-------|--------|-----|--------|-----------|--------|----------|--------|--------|-----------|---------|
| | STAPL | E9. | | | | [fp. | Down. | Up. | Down. | 1887. | 1886. | Increase. | Dooreas |
| | | | | | | Tons. | Tons. | Tons, | Tons. | Tons. | Tons. | Tons. | Tone |
| Coal | | | 19227 | | | 4,554 | 2,846 | 3,938 | 1,332 | 7,400 | 5,270 | 2,130 | |
| Cotton, raw Cotton parce-goods- | | | | | | 10 | 12 | 12 | \$2 | 21 | 54 | | 32 |
| 1European- aIn bal | es and | bund | lles | | | 2,479 | 200 | 1,406 | 216 | 2,679 | 1,622 | 1,057 | |
| Grains- | | | | | | 0.0.0 | | | 72002200 | | | 200000 | 100707 |
| 2.—Rice | *** | *** | *** | 100 | *** | 2,249 | 1,573 | 311 | 1,779 | 3,662 | 2 000 | 1,572 | |
| 5.—Others | *** | ••• | 115 | *** | | 783 | 3,5.5 | 823 | 611 | 4,318 | 914 | 8,364 | ****** |
| Hides and Skins- | 10 | | | | - 1 | 1 | - 1 | | | 1 | | 1 | |
| bl'ndres | | | | | | 13 | 603 | 17 | 892 | 6:6 | DUD | | 293 |
| Jute- | | | | | | - | | | | | | | |
| 1Raw- | | | | | | Ť | Permiss I | | | 1 | | | |
| a. Serewe | | *** | 355 | | | | 5,000 | | 4,113 | 5,022 | 4,413 | 609 | ****** |
| b Unserv | | | | *** | | 10 | 40,831 | | 30,506 | 40,841 | 30,506 | 10,3.5 | ***** |
| Gunny-bags | and cl | oth | ••• | | 100 | 69 | 1,543 | co | 1,088 | 1,602 | 1,148 | 454 | ***** |
| Metals- | | mionic | 1.3 | | - 1 | 1.010 | 88 | 503 | 39 | 1 100 | 542 | **** | |
| 3.—Brass and cop | oper, v | rroug | nt | 30 | ** | | 00 | 003 | 38 | 1,128 | 0-84 | 886 | •••• |
| A CONTRACTOR OF THE PARTY OF TH | | | ••• | | | 265 | 5 | | | 270 | | 270 | |
| | | | | 200 | | 134 | 13 | 350 | 19 | 147 | 369 | | 223 |
| Oilseeds- | | | | | | | | | 1 | 1 | 1 | 300000 | |
| 3Til or gingelly | Υ | ** | | 66 | | 201 | 417 | 174 | 39 | 638 | 213 | 425 | ****** |
| Provisions - | | | | | | | | 22 1 | 2770 | 200 | | 1 | |
| 2 Betchuts | | 10 | | | * 1 | 216 | 367 | 24 | 117 | 424 | 141 | 283 | ***** |
| S,-Others | | 200 | | 4.0 | H 2 | 1.844 | 147 | 183 | 252 | 433 | 435 | | 1 |
| Railway plant and re | | tock | 91 | | - 1 | 2,420 | N.2 | 1,195 | 866 | 2,716 | 2,061 | 655 | ***** |
| Salt | *** | *** | 351 | *** | ** | 2,120 | 9 | 1, 110 | 4 | 2,428 | 1,4,4 | 974 | ** ** |
| TT 1 1 1 | | 3 | | *** | | 458 | 249 | 227 | 187 | 707 | 414 | 293 | |
| Pea - | 50 0 | 8 | | | | | | 1 | 233 | | *** | 200 | ****** |
| | ••• | | ** | *** | | | 1.789 | | 1,949 | 1,789 | 1,949 | | 160 |
| Vova- | | | | | | 200 | | | (| | | | |
| | | | | ••• | | 129 | 143 | 114 | 50 | 272 | 164 | 108 | ***** |
| | | | + | ••• | | 1,339 | 18 | 1,305 | 37 | 1,357 | 1,346 | 11 | **** |
| lobacco Ill other articles of m | ore her | | ••• | ••• | | 77 | 866 | 41 | 906 | 943 | 947 | | • |
| 1.—Unmanufactur | | erine. | 100 | | | 1,776 | 1.497 | 1.159 | 980 | 3,273 | 2,139 | 110 | |
| lay, straw, and wook | o IC. | ANI | Se | ction) | *** | 318 | | 312 | | 318 | 312 | 1,13+ | ****** |
| , | | | | | - | | | | | | | | ****** |
| | | | To | tal | | 20,541 | 62,464 | 13,108 | 46,324 | 83,005 | 59,432 | . 24,286 | 713 |

Includes Dacca and excludes local traffic of the Northern Bengal and Kanuca-Dharila Railways during 1886.

| | | | | INCREASI | 88. | | | | | |
|----------------------|---------------|---------------|--------------|---------------|-------------|-----------|-------------|-----------|---------------|------|
| | | | | | | | | | Tons. | |
| Coal | | ••• | | *** | *** | | *** | *** | 2,180 | |
| For Kailway and I | Plotilla purp | oses princi: | ally. | | | | | | | |
| Cotton picce-g | | *** | *** | | ••• | **** | *** | *** | 1,057 | |
| Due to large despar | tches to up- | country man | ets on the c | occasion of t | he poojahs. | | | | | |
| Rice | | ••• | | ••• | | | | ••• | 1,572 | |
| From the northern | section pri | ncipalty. | | | | | | | 6.494,629,495 | |
| Grains | | *** | 200 | | | ••• | | | 3,384 | |
| Good crops and a f | avourable n | aarket. | | | | 2555 | | | 5,400.5 | |
| Jute | ••• | ••• | *** | ••• | | | | ••• | 10,944 | |
| This increase is pri | cipally du | e to the into | rruption to | traffic in O | ctober 1886 | caused by | the failure | of the Pa | chooria brid | ge. |
| Gunny-bags | | | | | ••• | ••• | ••• | ••• | 454 | 0 |
| Corresponding with | the increas | e in grains | and seeds. | | | | | | | |
| Metals (bra-s) | | | | | | | *** | | 586 | |
| Manufactures for d | | | | | 500 | | 1575 | 2555 | 000 | |
| Oil-seeds | 407 | | | 440 | | ••• | | | 425 | |
| Due to an improver | ment in the | English ma | rket. | | 0.56 | | 35.5 | 525 | | 11.0 |
| Railway plant | | •• | | | | | *** | | 655 | |
| For repairs and ren | | 10.5 | | | ••• | *** | *** | | 000 | |
| Salt | | | | | | | | | 974 | |
| For the hide export | | | | *** | *** | *** | ••• | ••• | 014 | |

The decrease appearing under hides, oils and tea are comparatively insignificant and are attributable to ordinary fluctuations.

DECREASES.

CALCUTTA, the 19th Decomber 1887.

F. P. QUINIAN, Examiner of Accounts.

Bengal Central Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October 1887, as compared with the same month of the previous year.

| | AT LES. | | | | 18 | 87. | 18 | 86. | Tot | ul, | | |
|--|----------|--------|---------|-------|----------|---------|----------|-------|------------|------------|-----------|----------|
| 8 | TAPLES. | | | | Up. | Down. | Up. | Down. | 1857. | 1886. | Increase. | Decrease |
| anile de la companie de la companie de la companie de la companie de la companie de la companie de la companie | * **** | | | | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. |
| Coal | | | | | 351 | | 561 | | 351 | 561 | | 210 |
| Cotton, raw Cotton twist and yau 1.—European | | | | | 1 | 2 | 8 | 1 | 3 | 4 | | 1 |
| 2.—Indian | | | ••• | | li | 8 | 1 | | | | | |
| Cotton piece-goods- | | | | | | | | | | | | |
| 1.—European— a.—In bale | s and b | indles | | | } 131 | l i | 54 | 1 | 131 | 55 | 76 | |
| b,-In boxe | 8 | | ••• | *** | li . | | | | | | | 123.04 |
| 2.—Indian— | o and L | llon | | | il . | 1 1 | | | | | | |
| a. In bale b.—In boxe | | | | | ij | 4 | | | | | 1 | |
| Grains- | oz 12 | | 250 | | 1 | | _ | 1 | | | | 1 |
| 2.—Rico | | | | *** | 97 | 204 | 8 152 | 99 | 210 162 | 107 157 | 103 | |
| 5.—Others Hides and Skins – 1.—Hides of catt | e- | | | *** | 37 | 65 | 10% | , | 102 | 107 | 5 | |
| a Dressee | i | | | |) | 1 | | | | | | |
| bUndres | | | ••• | ** | i | 0 9 | | | | | 1 1 | į |
| 2Skins of shee | | | | | } | 33 | | 22 | 33 | 22 | 11 | 11076 |
| A Timeleon | | | | | | l (| | | 1 | | | |
| | | | ••• | *** | , | P 4 | | | 1 | | | 1 |
| Inte- 1.—Raw— | | | | | | | i | | 1 | | | 1 |
| a screwer | t | | *** | | | | | 1.3 | | 53 | | 53 |
| bUnsered | ved | *** | | *** | 16 | 1 4.248 | | 658 | 4,261 | 658 | 8,606 | |
| 2 Gunny-bags a | nd clott | 1 | ••• | ••• | 1 | 7 | 2 | 1 | 8 | 3 | 5 | |
| Metals— 1.—Copper, unwr | ought | | | | 1 | | | | | | | |
| 2. Brass, unwron | ight | | 28 | | [] | | | | | | li . | (|
| 3.—Brass and cop | | nught | ••• | | } 41 | 10 | 12 | 6 | 54 | 18 | 1 36 | |
| E PR | | | | | | , | i | | - 1 | | | ****** |
| a Chiliann | | | | |) | | 1 | | - 1 | | 1 | 1 |
| ils— | | | | | | | | | 46. | | | |
| | | 7.57 | *** | | 48 38 | | 65 | | 38 | 65 | 48 | |
| 3Others | | *** | *** | *** | 90 | | | | .,, | 03 | •••• | 27 |
| • 1 !d | | *** | | *** | n | 1 | 1 | 1 | | | | |
| 2Rape and mus | tard | *** | | ••• | 1 1 | | - | | | | | |
| 3.—Til or gingelly 6.—Niger | | *** | ••• | ••• | } 85 | 28 | 43 | | 83 | 43 | 40 | |
| | : 4:: | | ••• | | [" | | | | 30 | *** | •0 | 10.500 |
| | | • | . 7 | ••• | 1 1 | | | 1 | - 1 | | | |
| 7.—Others | | *** | *** | • | , | 18 | | | | | | |
| rovisions— | | | | 33000 | 5 | 330 | i i | 78 | 341 | 79 | 263 | |
| 2.—Betchuts | | | | | 32 | 31 | 12 | 18 | 63 | 30 | 33 | ****** |
| tailway plant and rol | | | | | 6 | 39 | 28 | 87 | 45 | 65 | | 20 |
| alt | n - 20 | | *** | | 126 | | ¥7 | | 126 | บ7 | 29 | |
| ugar— 1.—Drained . | | | | | ı i | | 1 | Wild | | 1000 | | |
| | | | | ::: | } 30 | 236 | 7 | 92 | 266 | 99 | 167 | • |
| ood- | - | | | | | 1 | - 1 | | | | | |
| 1.—Timber | | ••• | ••• | | 26 | 17 | 13 | | 43 | 13 | 30 | 120000 |
| | | *** | *** | 27.0 | 21 | 42 | 18 | 23 | 63 | 41 | | ****** |
| ll other articles of m | erchand | iso- | | *** | 61 | | | 20 | 110 | 71 | 22 | ****** |
| 1Unmanufactur | ed | | *** | | 480 | 118 | 119 | 113 | 607 | 232 | 274 | |
| 2 Manufactured | | 30.0 | *** | | 3 400 | 410 | 210 | 11.5 | (81) | 200 | 375 | ****** |
| | | т | otal | | 1,523 | 5,416 | 1,194 | 1,207 | 6,939 | 2,401 | 4,539 | 311 |
| | | | - neg f | *** | 1,000 | 01410 | -,,,,,, | 2,507 | 0,000 | 2,301 | 2, 390 | 311 |

| | | | INCREASES. | | | | | |
|-------------------------------------|-------------|-------------|--------------|------------|--------------|-------------|-----------|-------------|
| 20 | | | | | | | | Tons. |
| Rice | | ••• | ••• | ••• | ••• | ••• | | 103 |
| From Singhia station principally | • | | | | | | | |
| Jute | *** | | ••• | ••• | ••• | ••• | *** | 3.606 |
| From Singhia and Khoolna stati | ons princip | ally. | | | | | | |
| For export to British Burms. | | | | | | | | |
| Sugar | | ••• | ••• | *** | *** | *** | | 167 |
| This increase is due to a slight in | nprovemen | t in the me | rket which l | ns been fo | r some mon | the past in | a depress | ed conditio |
| | | D | KORKASKS. | | | | | |
| Coal | ·. ••• | , | | | | | *** | 210 |
| Due to sufficiency of stocks at K | hoolns, Bo | ongong and | Nowapara f | or Railway | and Flotille | purposes. | | |
| CALCUTTA, the 30th Junu | 198 | ĸ. | | E P O | UINLAN, | Examine | of Ac | counts. |
| CALCUITA, the outh vanu | ary 100 | 0. | | r. r. d | ULILLAM, | - w w | -, | |

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY

Approximate Return of Traffic for week ended 21st January 1888, on 1,513] miles oven

| | | | - | | - 27 | - | | | |
|---|----------------------|--------------------------|--------------|-----------------------|-------------|--------------------------|-------------|------------------|------------|
| | Соспін | G TRAFFIC. | | AND MINERAL | 1 | | TRAPPIC | lrain mit | H RUK. |
| | Number of passengers | Conching receipts | Weight | Receipts | (estimated) | Total earnings | (onthink | Merchan- dise | Total |
| 1 | | Rs A P | Min 8 | Rs A P | RK A P | R4 A P | | - | - |
| Total traffic for the week Or per unite of rank of Por previous 2 weeks of half | 278 260* | 3 '8 68' 9 6' 16 11 9 | 20,09 693 30 | 613117 \$ 0 41 0 6 | 20 172 \$ 0 | 9,61,373 1 0 + 65 1 6 | 62,9111 | 101 8724 | 166 81 4 |
| year . | 518 002 | 6200712-0 | (7 97,703 20 | 135 0 7 3 9 | 40,250 9 0 | 20,10 201 8 0 | 127,652} | 214 (5.3) | 342,536 |
| Potal for 3 weeks | 797 10 ' |) \$5 110 5 0 | 81,06 397 10 | 19,631 4 7 9 | 60 85 .3 0 | 29,71 offs p 9 | 190 1214 | 318,5251 | 509,150 |
| COMPARINON. | | | | | | | | | |
| Total for corresponding week of previous year Per mile of ratiway corresponding | .12013 | 256 417 1 9 | 23,09,006 30 | 5 4 5 5 5 1 3 | 18,010 12 1 | 90,181 0 0 | 09 1,14 | 102 245 | 171 439 |
| week of previous year Total to corresponding date of | 1 | 195 10 6 | | 189 P 101 | 11 14 3 | 596 2 7 | 1 | | |
| previous year | (10 9174 | 8,61434.11 3 | 74 14 051 30 | 30 15 178 4 9 | 5 102 11 \$ | 28,76,115 11 1 | 209 1 % | 334 781 | 545,976 |
| | | | | | 200 | | recounter A | | The second |

^{*} The mercase in Coaching traffic is principally due to the Combh-Mela at Allahabad

Approximate Statement of gross receipts of the Fast Indian Railway, prepared in accordance with Public Works Department Circular vo AAI, Railway, dated 23rd July 1883.

| RECEIP! | TS POR WERK | ENDING | | THE FOR WELK | | | 1 RECEIPTS PRO 1886 TO 22ND J. 1887 | | APRIL | I RFCEIPTS PR 1887 TO 2181 J 1888 | OW INT | Total | Total |
|---------------------------|-------------|-----------------------|---------------------------|--------------|-----------------------|-------|---|--------------------------------------|---------------------------|---|--------------------------------------|-------|----------------------|
| Mean mileage worked | Receipts. | Per mile worked | Mean mileage worked | Receipts | Per mile worked | | Total receipts | Per mile worked pri work | Mean nulenge worked | Total receipts | Per mile worked per week | 1888 | der rouse is 1888 |
| | Rs | Rs | | R* | Rx | | Re | Ra | | Ra. | Ra | Rs | Ra. |
| 1,515 | 0,03,181 | 596 | 1 31 1 | 9 61 372 | 635 | 1 515 | 3,71,55 033 | 584 | 1,517 | 3 64,09,346 | 671 | | 7,45,687 |

PATNA-GYA STATE RAILWAY.

Approximate Return of Prasse for week ended 21st January 1988, on 57; miles open

| | COACHINO | TRAFFIC | : | MERCHANDISE TRAF | | Other earnings | Total | TRAPPIC | TRAIN-MIL | BS RUN. |
|---|----------------------|-------------------|---------------|----------------------|---------------------|------------------|-------------------------|-----------|-----------|---------|
| | Number of passengers | Coachr receipt | | Weight carried | Receif ts | (estimated). | esinings | Coaching. | Merchan- | Total. |
| | | Rs | A. P | Mns s | Rs A P | Rs. A. P. | Rs A P | | | - |
| Potal traffic for the week Or per mile of railway For previous 2 weeks of half- | 12 C52 221 | | 13 0 1: 10 | 38, 364 20 670 30 | 2 100 8 0 43 8 8 | 36 6 0 0 10 2 | 10 176 11 0 177 15 8 | 1,897 | 621 | 2,808 |
| year | 26.567 | 13,652 | 9 6 | 66,460 0 | 3,032 1 0 | 54 3 0 | 17,638 13 0 | 8 /25 | 1,263 | 4,788 |
| Total for 3 weeks | - a t 219 | \$1,302 | 6 0 | 1,04,924 20 | 6,423 9 0 | 90 9 0 | 27,815 8 0 | 5,412 | 1 814 | 7,296 |
| COMPARISON. | i | | | | | | l | | | |
| fotal for corresponding we k of previous year Per mile of railway correspond- | 10,360 | 5, 192 | | 42,618 20 | 2 780 12 0 | 71 3 6 | 8 253 9 0 | 1,741 | 658 | 2,394 |
| ing week of previous your total to corresponding date of | 181 | 96 | 4 5 | 745 0 | 48 12 4 | 1 3 11 | 144 4 9 | | | |
| blealors Asst | 34,268 | 17,003 | 13 5 | 1,28,168 30 | 8,767 13 0 | 149 3 9 | 25,920 14 2 | 5,369 | 2,334 | 7,701 |

Approximate Statement of gross reversels of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No XXI Railway, dated 23rd July 1843.

| RECEIP 22 N | r por wrpe d January | PTI-1NG 1847 | | TS FOR WPPK | | | I BECRIPTS PROPRIE 1886 TO 25 JANUARY 1887 | ND | 1074 | L RECEIPTS PROPRIED 1887 TO 2 JANUARY 1888 | IST | Total | Total |
|---------------------------|-------------------------|------------------------|---------------------------|---------------|-----------------------|---------------------------|---|-----------|----------------------------|---|--------------------------------------|----------------------|----------------------|
| Mean mileage worked | Receipts | Per mile wer'e l | llean ilea o worked | Receipts. | Per mile Worked | Mean mileage worked | Total receipts | | Mean mileage worked. | Fotal receipts. | Per mile worked per week | increase in 1888. | decrease to 1888. |
| 67 <u>i</u> | Rs 8,254 | Ps 114 | 571 | Rs. 10 177 | 178 | 57} | Ra. 4,28,520 | Rs 178 | 57} | Ru. 4,05,643 | Ra, 169 | | Ra. 22,877 |

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 21st January 1889, on 12 miles open

| - T | Содсино | 3 LEAFFI | c _ | | MRRGHAN | RAP | | K4 | ~ 1 | O'her earm | | Total ear | | | THAFFIC | TRAIN-RIL | BS RUN |
|---|----------------------|-----------|--------|--------|-------------|-----|-------------|----|-----|--------------|---|------------|-------|----|----------|-------------------|--------|
| | Number of passengers | Coachi | 105.5 | | Weight carr | ned | Receipt | 8 | | (estimated |) | TOTAL PARI | - 111 | KR | Coaching | Merchan- disc. | Total |
| 2 | | Rs | A 1 | | Mos | 8 | Ra A | P | | Ra A | P | Rs | A | 1 | | | |
| Total traffic for the week ()r per mile of ratiway For previous 2 weeks of half- | 1,282 | 690 67 | 7 8 | 0 7 | 51.52. | 10 | | 2 | | 11 0 0 14 | | 11.9 | | | ari; | 150 | 4034 |
| year . | 6,078 | 1 179 | 1 | 0 | 47.17 | 10 | 797 | 5 | 0 | 17 8 | 0 | 2 174 | 3 | 0 | +11 | 296 | 987 |
| Total for 3 weeks | 10 900 | 1 869 | 13 (| 0 | 97 7 49 | 20 | 1(2) | 7 | 0 | 28 8 | 0 | 3 527 | 12 | 0 | 1 034 | 416 | 1 480) |
| COMPARISOR Total for corresponding week of previous year Per mile of rulway corresponding week of previous year | 2 953 | 48t 40 | 0 8 | | 15 764 | 0 | 337 1 25 | | | 4 (| | 874 | | | 119 | 134 | 463 |
| Total to corresponding date of previous year | 7 의율 | 1 328 | 13 1 | 0 | p7 77. | 90 | 1,381 1 | 1 | 0 | 19 11 | 9 | 2 729 | 4 | 7 | 1002 | 1 8 | 1 550 |

Approximate Statement of gross receipts of the Dildainagar-Ghazipui State Railway, prepared in accordance with Public Works Department Circular No AAI, Railway, dated 23rd July 1883

| RECEIP 2.N | TS FOR WELD JANUARY | k 1 NDNG 1857 | RECEIPT 21st | B FOR WERK JANUARY 1 | | | RECPIETS FRO | ! ND | 411 | RECKIPS FR BIJ 1887 TO J JANUARY 1888 | | Totai | Total |
|---------------------------|---------------------|-----------------------|----------------------------|-------------------------|-----|-----------------------------|----------------|------|--------------------------|---|-------------------------------------|---------------------|-------------|
| Menn milwige worked | Receipts. | Per mili worked | Mean molenke worked. | Recorpts | | M an mile is (worked | Lotal receipts | | Mean mreage worked | Fotal receipts | Pr mile work d per we k | Increase in 1885 | decrease in |
| | Rs. | Rs | | Rs | Rs | | Rs | Rs | | Rs | l Rs | | i |
| 12 | 829 | 69 | 12 | 1 51 | 113 | 12 | 37 50 1 | 75 | 12 | 34 910 | 77 | 1 050 | l |

SINDIA STATE RAILWAY

Approximate Return of Traffic for week ended 21st January 1888, on 74' miles open

| | Coaching | TRAFFI | L | 1 | Мвкспа | | ISE RAP | | kR | A L | 1 | | - | - | | | | IRAPPI | TRAIN MILE | s rds, |
|---|----------------------|---------------|---------|---|--------|-------------|------------|-------------|---------|-----|-----|------------------------|---------|---|---------------|----|-----|----------|-----------------|---------|
| | Number of passengers | Conch | | | Weig | | | Recei | pts | | |) ther enr (estimat | | | lotal ear | nu | ngs | Com hing | Merchan Gise | Total |
| | | Rs | A | P | | i de | В | Ka | A | 1 | - | Rs | ۸. | 1 | Rs | ٨ | 1 | 1 | | |
| Fotal traffic for the week Or per mue of railway | 4,917 | 3,493 46 | 6 11 | | 87 | 125 | 30 | 4 181 50 | | 7 | | 1'4 | 4 10 | | 8 0 18 108 | | 0 | 118 | 1 193 | 2 141 |
| For previous 2 weeks of helf- year | 8,884 | 6 919 | 5 | 0 | 1 70 | 528 | 10 | 1071 | 5 | 0 | | 224 | 3 | 0 | 17 M 7 | 13 | 0 | 1 23 | , : M) 1 | 5 02 14 |
| Total for 3 weeks | 13,701 | 10,112 | 11 | 0 | 2,57, | 85 4 | 0 | 15 205 | 9 | 0 | - - | 314 | 7 | 0 | 2" 100 | 11 | 0 | 1 171 | 7,18.} | 1,3541 |
| COMPARISON. | | | | | | | | | | | - | | | | | | | | 1 | |
| Total for corresponding week of previous year Per mile of railway correspond- | 6,1134 | 4,591 | | | 1,07 | 0 17 | 30 | 5,199 | | | | 94 | | 1 | 9 89K | | | 177 | 1 209 | 1,896 |
| ing week of previous year Total to corresponding date of previous year | 16,9881 | 61 12 77 3 | 6 | | 3,93, | 458 | 30 | 17 778 | | 3 | 1 | 1 299 | 4 | | 197 | | 7 | 2 18) | 3 909 | 6 098 |

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works

Department Circular No XXI, Railway dated 23rd July 1883

| | ts for week ad Japuary | | | TB FOR WEEK I JANUARI 1 | | | L RECEIPTS FR APRIL 18-6 FO JANUARY 188 | ZVD | | AL BECKII IN PR PAII 1887 FO 21 JANUARY 1885 | 181 | lotal increase | Fotal decreas |
|----------------------------|---------------------------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|---|--------------------------------------|---------------------------|--|--------------------------------------|----------------|---------------|
| Mean mileage worked. | · Receipts. | Per mile worked | Mean mileage worked | Receipts. | Per mile worked | Mean mileuge worked | Total receipts. | Per mile worked Pri week | Mean mileaga worked | Fotal receipts | Por mile worked per week | to 1888 | in 1888. |
| 742 | R. 19,880 | Bs. 182 | 742 | . Rs. 8,099 | Rs. 108 | 742 | Rs. 3,15,646 | K8 100 | 743 | 8.6 3,60 370 | Rs. | Ra 44 724 | |

TARKESSUR BRANCII RAILWAY

Approximate Return of Traffic for week ended 21st January 1888, on 2:1 ensles open

| | COACHING | IRAPPIC | MERCHANDISE TRAI | AND MINERAL | Other earnings | Total | TRAPFIC | TRAIN-MILE | S RUY. |
|---|----------|------------------------|---------------------|-------------------|----------------|---------------------|----------|------------------|--------|
| Marin | Number c | Con hing receipts | Weight | Receipts | (estimated) | earnings | Coaching | Merchan- dise | Total. |
| | | Ke A P | Mds, s | Ka A P | Rs A P | Ks A 1 | 1 | | |
| Total traffic for the week Or per mile of rulent For previous 2 week of half- | 1:702 | 4 923 15 0 221 4 10 | 6,385 0 | 1°8 15) 8 6) | 5 4 0 | 116 2 0 2.9 15 0 | | 06 | 968 |
| YPET | s sia | 8 870 2 0 | 14 504 10 | 487 12 0 | 5 . (| 1 147 0 0 | 1 417 | (17 | 1 936 |
| Total for 3 weeks | 55 021 | 11,794 1 0 | 20 689 10 | 6.4 11 6 | 11 0 0 | 1143 2 0 | 2 719 | 185 | 2,904 |
| . COMPARISON | | | | | | | | | |
| Total for corresponding work of previous year Per mile of rulway correspond | 17 577 | 4,413 1) 2 | 8 (71-10 | 257 8 0 | | 4 678 (5 | 924 | 45 | 968 |
| Ing week of previous ver r Potal to corresponding date of previous year | 51 51) | 139 5 11 | 20 (1.0 | 11 9 681 11 0 | 0 5 2 | 210 4 3 | 1 63 | 11.5 | 3,102 |
| | | | | | 1 | | | | |

Approximate Statement of gross receipts of the Tarkessur Brinch Railway, prepared in accordance with Public Works
14 partmet Circular No XXI Railway, lated 23rd July 1883

| | _ | 1000 | | | | | 2 | | | 1 | | | | |
|-----------------|----|-------|-----------------------|---------------------------|------------|------------------------|---------------------------|--|-------------------------------------|---------------------------|--|---------------------------------------|--------------------|---------------------|
| REC ENDING | | s for | | | L TV/ MILL | | | RECKIPTS PR 1880 10 2010 3 1857 | M IST ANLARY | | L RP(RIPTS FR 1987 10 ' St da 1888 | | Potal | Total |
| Mesn in mileage | Re | pts | Per mile werked | Mean milence work l | Recopts | rer m k w 1 kc l | Mern milenge worked | lotal receipts | fer mile worked ter w k | Mean n Heage worked | lotal receipts | Per 101 C worked per vc k | 16 (10 nse in 1888 | decrease in 1888 |
| ! | - | Rs | Rs | | Rs | Re | | Rs | Rs | | Rs | R. | Rs | |
| 223 | | 4174 | 210 | 223 | 5 116 | 230 | 221 | 1 90 239 | 204 | 221 | 217 540 | 222 | 17,6)1 | |
| | | | 1 | | | | - | | | | | | | |

EASTERN BENGAL STATE RAILWAY

(Including N B. Dacca, K and D, and Assam-Behar Sections).

Approximate Return of Traffic for week ended 14th January 1888, on 646 miles open

| | COACHIN | g Trapfi | c | | MEBCHAND | | AND MIN | ER | | Other ears (estimat | ed, | | Tota | .1 | | TRAPPIC | TRAIN-MIL | ES RUN |
|--|----------------------|-----------------|---|---|-----------------|---|-----------------|----|---|------------------------|-----|----|-----------------|----|----|----------|-------------------|--------|
| | Number of passengers | Conclu | | | Weight | | Receip | ts | | Steam be | | | entiti | Ra | | Cosching | Merchan- diso. | Total |
| | | Re | | P | Мъв | 8 | Rs | • | P | Rs | | p | Rs | | Р. | | | , |
| Total traffic for the week Or per mile of railway For previous 1 work of half- | 112 514 176 | 61,234 95 | 0 | | 5,00 800 776 | | 1,07 941 167 | | | 11,207 1 | | 0. | 1,80 342 263 | | | 21,422 | 20,687 | 48,10 |
| Jear headons I week of man- | 119 205 | 59,200 | 0 | 0 | 4 6 - 561 | 0 | 1 0 1,053 | 0 | 0 | 12,493 | 0 | 0 | 1,80,746 | 0 | 0 | 21 259 | 23,308 | 44,55 |
| Total for 2 weeks | 231 740 | 1 20,434 | 0 | 0 | 9 64 %1 | 0 | 2 16 994 | 0 | 0 | 23,700 | 0 | 0 | 3 (1,128 | 0 | 0 | 44,681 | 43 995 | 26,676 |
| COMPARISON | | | | - | | | | | | | | | | | 1 | | | |
| Fotal for corresponding week of previous year Per mile of railway correspond | 155,878† | £ 6, 650 | 0 | 0 | 4,91,278 | 0 | 86 206 | 0 | 0 | 9,132 | 0 | 0 | 1,19,988 | 0 | 0 | 19,849 | 16,671 | 86,02 |
| ing period of previous yest | 262 | 96 | 0 | 0 | 728 | 0 | 142 | 0 | 0 | 1 | 0 | 0. | 233 | 0 | 0 | | | |
| Total to corresponding date of previous year | 280 498 | 1 16 106 | 0 | 0 | 8,39,798 | 0 | 1,61,100 | 0 | 0 | 19,016 | 0 | J | 2,45 180 | 0 | 0 | 41,522 | 31,414 | 72,93 |

[•] Exclusive of Steamer carnings. † Includes monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway

| | S POR WERK | | | S POR WEEK | | | APRIL 1886 TO H JANUARY 188 | | | RECRIPIS PRO APRIL 1887 TO H JANUARY 188 | (18 0.50°) (1. | Total | Botal |
|---------------------------|------------|-----------------------|---------------------------|------------|-----|----------------------------|--------------------------------|---------------------------------------|---------------------------|--|--------------------------------------|-------------------------|------------------------|
| Mean mileage worked | Kakeipta | Per mule worked | Mean mileske worsed | Receipts. | | Mean mileage works d | Total receipts | Per mile worked per week, | Mean mileage worked | Total receipts | Per mile worked per week | incresse in 1887-88. | decresse 1 1887-88. |
| | Re | Rs | | Re. | Rs | | Re. | Re. | | Re | Ra | Ra. | |
| 606 | 1,49,988 | 247 | 645 | 1,80,382 | 280 | 606 | 66 00,250 | 286 | 648 | 76,33,825* | 280 | 110,83,475 | dem |

[·] Audited up to 3rd Decomber 1887.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 125 miles open.

| | COACHING | TRAFFI | c. | MERCHANI | RAF | | EKA | | Other earnings | | | | TRAPPI | C TRAIN-MIL | ES RUN. |
|--|-----------------------|-------------|------------|--------------------|-----|-------------|------|---|----------------|-----------|------|------|-----------|-------------------|---------|
| | Number of passengers. | Coach | | Weight carried. | | Recei | pt: | 1 | (ostimated). | Total car | 'nii | irn. | Conching. | Merchan- dise. | Total. |
| | İ | its. | А. Г. | Mos. | 8. | ks. | A. 1 | | Rs. A. P. | Rs. | Α, | . P. | | | |
| Total traffic for the week Or per mile of railway For previous 1 week of half- | 20,800 166 | 7,316 59 | 0 0 0 0 | 39,720 318 | | 3,740 30 | | | 50 0 0 | 11,112 | 0 | | 3,501 | 1,709 | 5,810 |
| year | 21,000 | 7,600 | 0 0 | 36,225 | 0 | 3,631 | 0 | 0 | 70 0 0 | 11,301 | 0 | 0 | 3,501 | 1,709 | 5,210 |
| Total for 2 weeks | 41,800 | 14,916 | 0 0 | 75,945 | 0 | 7,577 | 0 | 0 | 120 0 u | 22,418 | 0 | 0 | 7,002 | 3,418 | 10,420 |
| COMPARISON. | | | | | | | | | | | | | | | |
| rotal for corresponding week of previous year Per mile of railway correspond- | 26,598* | 7,620 | 0 0 | 21,269 | 0 | 1,315 | 0 | 0 | 13 0 0 | 8,951 | 0 | 0 | 3,669 | 1,541 | 5,21 |
| ing period of previous year | 213 | 61 | 0 0 | 170 | 0 | 11 | Ð | 0 | | 72 | 0 | 0 | | | |
| previous year | 48,629 | 16,261 | 0 0 | 41,013 | 0 | 2,695 | 0 | 0 | 56 0 0 | 19,012 | 0 | 0 | 8,602 | 3,188 | 11,19 |

^{. 6,440} Monthly tickets.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Rengal Central Railway.

| Total | Total | | RECEIPTS PRO APRIL 1887 TO H JANUARY 188 | 1000 | L. | APRIL 1886 TO APRIL 1886 TO H JANUARY 18 | | | FOR WEEK JANUARY 18 | | | | TS FOR WREK H JANUARY 18 | |
|-------------------------|---------------|---------------------------------------|--|----------------------------|--|--|----------------------------|------------------------|------------------------|----|--------------------------|------------------------|-----------------------------|----------------------------|
| decrease in 1887-88. | 1867-58. | Per mile worked per week. | Total receipts. | Mean mileage worked. | Per mile worked. per week. | Total receipts. | Mean milenge worked. | Per mile worked, | Receipts. | ge | Mean milear worked | Per mile worked. | Receipts. | Mean mileage worked. |
| | Rs. | Rs. | Rs. | | Rs. | Ra. | | Rs. | Rs. | | | Rs. | Rs. | |
| | 22,100 | 101 | 5,20,102* | 125 | 87 | 4,48,002 | 125 | 89 | 11,112 | 5 | 125 | 72 | 8,954 | 125 |

[·] Audited up to week ending 3rd December 1887.

DACCA STATE BAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 86 miles open.

| | COACHING | G TRAFF | IC. | MBRCHAN | | AND MIN | | Other o | | | rnin | ng u | TRAPPIC | TRAIN-MIL | ES ROK |
|---|-----------------------|---------|------|------------|-------|-------------|------------|----------------|------------|--------|------|------|-----------|-------------------|-----------|
| | Number of passengers, | Concl | | Weight our | ried. | Recei | pts. | (estim | ated). | | | .n. | Cosching. | Merchan- disc. | Total |
| | | Re. | A, P | MDS | 8. | Ra. | A. P. | Re | A. P | R | ٠. | ν. | i | | **** |
| otal traffic for the week or per mile of railway or previous 1 week of half- | 13,257 154 | | 0 0 | | | 1,646 19 | 0 0 0 0 | 40 1 | 0 0 | | 0 | | 2,001 | 903 | 2,801 |
| year | 14,527 | 5,253 | 0 0 | 24,235 | 0 | 2,821 | 0 0 | 50 | 0 0 | 8,127 | 0 | 0 | 2,162 | 803 | 2,964 |
| Total for 2 weeks | 27,784 | 10,259 | 0 0 | 37,005 | 0 | 4,470 | 0 0 | 90 | V 0 | 14,819 | 0 | 0 ; | 4,163 | 1,765 | 6,918 |
| OMPARISON. otal for corresponding week of previous year ot mile of railway correspond- | 11,889 | 3,628 | 0 0 | 12,261 | 0 | 1,358 | 0 0 | 39 | 0 0 | 5,018 | 0 | 0 | 2,176 | 807 | 2,982 |
| ing period of previous year . | 188 | 42 | 0 0 | 148 | 0 | 16 | 0 0 | | 77. | 58 | 0 | 0 | | | 250.00 |
| oral to corresponding date of bravious year | 25,949 | 8,301 | 0 0 | 24,954 | 0 | 2,842 | 0 0 | 86 | 0 0 | 11,229 | 0 (| 0 | 4,788 | 1,602 | 6,300 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

| | TO FOR WEEK | | KRORIPI 14TH | B FOR WERK JANUART 18 | Ending | 24/4 | APRIL 1886 TO TH JANUARY 18 | Separa . | 51,255,255,35 | APRIL 1887 TO TH. JANUARY 18 | 512500110000 | Total | Total |
|----------------------------|--------------|------------------------|----------------------------|-----------------------|------------------------|----------------------------|--------------------------------|---------------------------------------|----------------------------|---------------------------------|---------------------------------------|---------------|------------------------|
| Mean ullease forked, | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | | Per mile worked per week, | Mean mileage worked. | Total receipts. | Per mile worked per week. | 1857-85. | decrease in 15,7-38 |
| | 8a. 8,018 | 24, | .86 | R 6,692 | Ra. 78 | 86 | Re. 2,96,542 | Rs. 59 | 8G | R#. 2,40,421* | Ra. G8 | Rs. 35,879 | 2 |

ASSAM: BEHAR STATE RAILWAY.

(PURNEAU SECTION.)

Approximate Return of Traffic for week ended 14th January 1888, on 39 miles open.

| | Coaching | TRAPFI | c. | MERCHAND | BAF. | FIC. | BAL | Other carning | Total c | . . | | TRAFFI | C TRAIN-MII | es rui. |
|--|--------------------------|--------|------------|--------------------|------|--------|-------|---------------|---------|--------------|-----|-----------|-------------------|---------|
| | Number of passengers. | Coach | | Weight carried. | | Receip | | (estimated). | Totale | temir. | ıĸ. | Coaching. | Merchan- dise. | Total |
| 1 | 1 | Rs. | A. P. | Mps. | 8. | Kn. | A. P. | Rs. A. P | R | | Р. | | | , |
| Total traffic for the week Or per mile of railway For previous 1 week of half- | 2,467 | | 0 0 0 0 | 20,183 518 | | | 0 0 | 20 0 0 | 1 | 80 0 86 0 | 0 | 546 | 548 | 1,09 |
| year | 2,785 | 885 | 0 0 | 15,073 | 0 | 1,388 | 0 0 | 10 6 0 | 2,2 | 13 0 | 0 | 540 | 540 | 1,09 |
| Total for 2 weeks | 6,232 | 1,181 | 0 0 | 35,256 | 0 | 3,023 | 0 0 | 30 0 0 | 4,80 | 3 0 | 0 | 1,092 | 3,002 | 2,18 |
| COMPARISON. | | | | | 1 | | | | | | | | | |
| Total for corresponding week of pravious year | | | | | | ••• | | | | | | | | |
| Ing period of previous year Total to corresponding dat of | | | ě | | | •••• | | ****** | | **** | | | | ***** |
| previous year | | | | 1 | 1 | | | | 9 | | | | | |

FINANCIAL YEAR. .

Approximate Statement of gross receipts of the Assam-Behar State Railway.

| | S FOR WERK IT JANUARY | | | TS FOR WERK II JANCARY | | | L RECEIPTS PROPERLY 1886 TO 15 JANUARY 1887. | TIL | 1 | A PRIL 1887 TO TH JANUARY 18 |) | Total increase | Total degrees |
|----------------------------|--------------------------|------------------------|----------------------------|---------------------------|------------------------|----------------------------|---|-----|----------------------------|---------------------------------|---------------------------------------|----------------|---------------|
| Mean milesge worked, | Receipts. | Por mile worked. | Mean mileage worked. | Receipts. | Per nule worked. | Menn imlenge worked. | Total receipts. | | Mean milenge worked, | Total receipts. | Per mile worked per week, | in 1887-88. | in 1887-88. |
| - J* | Re. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs | |
| | ***** | | 39 | 2,589 | 66 | | | | 39 | 92,250 | 54 | 92,259 | |

^{*} Audited up to week ending 3rd December 1887.

NALHATI STATE RAILWAY. Approximate Return of Traffic for the week ending 21st January 1888, on 274 miles open.

| | COACHIN | G TRAPP | ic. | | MERCHANI | | AND MIN | | | Other ea | . | nes | | | | TRAFFIC | TRAIN-MIL | 88 KCN |
|---|-----------------------|--------------------|-------------|-----|--------------------|----|-----------|-----|----|----------|----------|-----|-------------|-----|----|-----------|-------------------|--------|
| 4 | Number of passengers. | Coachin receipt | 0.5 | | Weight carried. | | Receip | ts. | | (estimat | | | Tota | | | Conching. | Merchan- dise. | Total |
| | | Rs. | A. 1 | | MDs | н. | Rs. | ۸. | P. | Ra. | ۸. | P. | Rs. | ۸. | P. | | | |
| Potal traffic for the week Or per mile of railway For pregious 2 weeks of half- | 2,465 105 | 1,058 38 | 0 0 13 0 | | 17,125 628 | | 766 28 | | 0 | | | 0 | 1,859 67 | | 0 | 509 | 254 | 76 |
| Jear | 5,392 | 1,936 | 0 | 1. | 37,421 | 0 | 2,064 | 0 | 0 | 25 | 0 | 0 | 4,02 | 5 0 | 0 | 1,018 | 085 | 1,700 |
| · Total for 3 weeks | 8,177 | 2,994 | 0 | 0 - | 64,549 | 0 | 2,830 | 0 | 0 | | 0 | 0 | 5,875 | 0 | ō | 1,527 | 939 | 2,486 |
| CRMPARISON. | | | | | | | | | | | | | | | | | 1 | |
| Cotal for corresponding week of previous year | 2,7434 | 1,051 | 11 | u | 11,159 | 20 | 643 | 8 | 0 | 87 | 13 | 6 | 1,783 | 0 | 6 | 509 | 254 | 763 |
| ing week of previous year | 101 | 38 | 8 | U | 410 | 0 | 23 | 10 | 0 | 8 | 4 | 0 | 65 | 7 | 0 | | · " | |
| previous year | 7,923 | 2,816 | ! | 9 | 51,561 | 0 | 2,572 | 4 | 0 | 124 | 7 | ø | 5,542 | 13 | 3 | 1,509 | 1,000 | 2,396 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

| ECRIPTS 22ND | JANU | WEEK CARY 18 | RNDING 87. | RECEIPT 2187 | TANUARY I | ENDING | Total | PRIL 1886 TO 2: JANUARY 1887 | ND. | A | RECRIPTS PROPERLY 1887 TO 21. JANUARY 1888. | | | iv. |
|-------------------------|------|-----------------|------------------------|----------------------------|--------------|--------|----------------------------|---------------------------------|-----|----------------------------|--|---------------------------------------|----------------------------------|----------------------------------|
| Mean neace orsed. | Rece | oipts. | Per mile worked. | Mean mileage worked. | Receipts. | | Mean mil-age worked. | Total receipts. | | Mean mileage worked. | Total receipts. | Per mile worked per week, | Total increase in 1587-88. | Total decrease is 1887-88. |
| 214 | e, | Rs. | Ks. | 271 | Rs. 1,850 | £a. | 271 | Re. 68,054 | Ms. | 271 | Rs. 73,973 | ks. | Rs. | |

TIRHOOT STATE BAILWAY

Approximate Return of Traffic for the week ending 21st January 1888, on 259 miles open.

| 5864_154440004666 | COACHING | TRAPPI | c | M | | | AND MINERA | ା | Other est | n ns | - | Total | | TRAFFIC | TRAIN-MIL | ES RUN. |
|---|----------------------|--------|------|---|----------|----|-------------|-----|-----------|------|---|------------------|-----|-----------|-------------------|---------|
| | Number of passengers | (գտեղ | | | Weight | | Receipts. | | (cstimut | | - | carnii gs | | Coaching. | Merchan- dise. | Total |
| | ī | P. | AP | 1 | Mils | a | Rs A r | . 1 | Ro . | ı p | 1 | Pu . | G 4 | | | |
| rotal traffic for the week on 279 miles open Or per mile of indway For previous 21 weeks of half | 38 1 d 117 | 115 ' | | | 1(1: | 0 | 11 312 0 1 | , | 3 8 12 | | 1 | 3,017 0 1_, 7 | 0 | L 572 | 6 945 | 13,178 |
| Prest | 7,,103 | -7 2 7 | 0 0 | _ | 4 05 153 | 0 | 0 88 0 |) | 8 1)1 | 0 (| | 75.11 0 | 0 | 1 665 | 15 870 | 27,915 |
| Total for o weeks | 113 (19 | 4_01) | 0 0 | | 11 1 721 | 0 | t 530 0 0 | , | 1. 3% | 0 (|) | 110 5 0 | 0 | 15.70 | 23,815 | 41,085 |
| COMPARISON | | | | Γ | | _ | | | | | | | | | | * |
| Total for corresponding weel of perious year to a milescient Per mile of railway correspond | 30 500 | 13 938 | 1 } | | 1 1153 | 10 | 1 (_1 8 (| , | 2 *37 | 1 ' | | 30 0)) 11 | 8 | 1.70 | 4,052 | 10,473 |
| mg week of previous year | 126 | 76 | 11 0 | 1 | 546 | 0 | to 6 1 |) | 1 | 8 (| 1 | 113 9 | 0. | | | |
| Total to cerresponding date of previous year | 101 16 3 | 40 37 | 5 8 | 1 | 4(20) | 10 | 46 37 5 3 (| 1 | 971, | 1 (| i | 90 (2) | 8 | 16 736 | 15,477 | \$2,518 |

[•] Steam boat carnings excluded in calculating | Total carnings per mile of Railway

PINANCIAL YLAR

Approximate Statement of gross receipts of the Terhoot State Ruelway

| | Receipts | Per mile | | Receipts | Per mile | | RRCHHIS PR RRH 1880 TO JUNEARY 1887 Intaky 1887 Intaky 1887 | M | Mean | I RECEITS PER PRIL 1887 10 JANUAR 1885 Potal receipts | 161 | Total Increasein 1887 88. | Total decrease in 1857-88 |
|-----|---|------------------|----------------------|---|-----------------|-------------|---|-----------|--------|---|--------|---------------------------------|---------------------------------|
| 246 | Re. 30 100 | Rs 122 | 200 | Rs. 35 0t 7 | Rs 1 to | 246 | Rs 12,67 ±10 | hs 1 - | 251 05 | Rs 11 07,6 5 | Rs 133 | Re. 1,42,365 | ; , |
| | | Corr | roximate espondin | | or week | | YAN RAIL 14th Januar | | | ANY, LIM | • | 5,48 1 4,370 | • |
| | | Recei From | ipts from | 1 st to 11th 5th Januar | y 1857 | ry 1888 | | | | | • | 9,616 8,349 1,207 | |
| | Miles open, week ending 14th Ja Corresponding week last year | | | anuary | nuary 1887 | | • | | | Miles. 51 51 | | | |
| | | Receip Corres | ts per m ponding | le o _l on, we week tast y | eek endi ear | ng 14tl | January 18 | 88 . | | | | Rs 4. 7. 107 8 6 85 11 0 | |
| | | Increas | se | 2000 | | | ••• | ••• | | | | 21 13 6 | |

Darjeeling, the 24th January 1888.

H BIRGH, Acting Secretary, D.-H. Ry.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, FEBRUARY 8, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Abstract of the Proceedings of the Council of the Lieutenant-Governor of Rengal, assembled for the purpose of making Laws and Regulations under the provisions of the Act of I arliament 24 and 25 Vic., Cap. 67.

The Council met at the Council Chamber on Saturday, the 28th January, 1888, at 11 A.M.

Dresent:

The Hon. SIR STEUART COLVIN BAYLEY, K.C.S.I., C.I.E., Lieutenant-Governor of Bengal, presiding.

The Hon. G. C. Paul, c.i.e., Advocate-General of Bengal.

The Hon. H. J. REYNOLDS, C.S.I.

The Hon. C. P. L. MACAULAY, C.I.E.

The Hon. T. T. ALLEN.

The Hon. SIR HENRY HARRISON, RT.

The How. SIR ALFRED CROFT, R.C.I.E.

The Hon. Moulvie ABDUL JUBBAR.

The Hon. G. IRVING.

The Hon. BABU KALI NATH MITTER.

The Hon. Dr. Mahendralal Sircar, c.i.b. The Hon. C. H. Moore.

The Hon. DR. GOORGO DAS BANERJEE.

CALCUTTA AND SUBURBAN MUNICIPALITIES AMALGAMATION BILL.

HIS HONOUR THE PRESIDENT said: - Before calling upon the Hon. Sir Henry Harrison to make the motion which stands in his name, I have a few suggestions to offer to the Council as to the best method of proceeding with the business before us. I have noticed that the amendments which have been printed are rather confusing. We have the same amendments proposed in different words by different members of the Council and we have also the same amendments proposed two or three times in different sections of the Bill. But on looking into the amendments I found that they all group themselves into two or three different heads, and by grouping them in this way we shall be able to raise debates practically on the different heads to which the amendments belong, and then we can put to the vote the amendments separately under each head; and with the permission of the Council I propose to do so. For instance, the first question raised in the amendments is that of the amalgamation of the Suburbs with Calcutta. Technically speaking, these amendments fall under Chapter I, which is not now before the Council. Chapter I being, as I fancy is usual in drafting, the chapter of definitions, is left to the last I think in all Select Committees it is usual to leave the settlement of the definitions virtually until you have the whole Bill ready. On the other hand, it will obviously be unreasonable to go on discussing the constitution of the Municipality without allowing the question as to the amalgamation of the Suburbs to be raised, because the whole object of the Bill is really to provide for the amalgamation of the Suburbs with the Town; and if amalgamation is to be refused, why the whole Bill will go. It will be observed that amendments Nos. 1 to 4 deal with the question of amalgamation, and that amendments Nos 7 to 9 are dependent upon that question. I, therefore, propose that that question be first discussed. That might, if the hon, member agrees, be discussed under amendment No. 7 which stands in his name, and in that case I would take amendment No. 7 first. On the other hand, although not strictly in order, I shall not in the least object to amendment No. 1 being put as it is, although that part of the Bill is not before us. But as at present advised. I propose that we should take amendment No. 7 first and raise a debate as to the amalgamation on that amendment.

The next group of amendments touches the question of the number of the Commissioners and the proportion of nominees It is difficult to separate these two questions; they are mixed up in the amendment and in the drafting of the Bill, and I do not see how they can be taken separately. It will be observed that amendments Nos. 10 to 17 all touch upon that point. Then amendments Nos 18 and 19 are separate, and they do not come under any of these groups: and again amendments Nos. 21 to 23 are all amendments touching a subsequent point, not as to the number of Commissioners, but as to how they are to be distributed. So that leaving out amendments Nos. 17 and 18, we may divide the amendments into three groups—1st, as to amalgamation; 2ndly, as to the number of Commissioners and proportion of nominees; and 3rdly, as to the di-tribution of the Commissioners, and I shall ask the hon. member who proposes the first three or four amendments to deal first with the question of amalgamation, and when that has been discussed I will put his amendment to the vote. I shall then ask that the question of the number of the Commissioners and the proportion of nominees be brought forward; and thirdly, the question as to the distribution of the Commissioners, and I shall then put these to the vote. That is what I propose to do with the approval of the Council.

The Hon. Sir Henry Harrison moved that the further preliminary report of the Select Committee on the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Suburbs of Calcutta be taken into consideration in order to the settlement of the clauses of the Bill.

The motion was put to the vote and carried.

The Hon. Sir Henry Harrison also moved that the clauses of Chapter II, Part I, of the Bill be considered for settlement in the form recommended by the Select Committee.

The motion was put to the vote and carried.

The Hon. Dr. Gooroo Das Banerjer moved that in section 5 the words "and all rights and interests in immoveable property situated within the area by this Act added to the Town of Calcutta, which are now vested in or held in trust for the Commissioners of the Suburbs of Calcutta" be omitted. He said :- This implies that I oppose the principle of amulgamation on which the definition of the Bill is founded, but technically speaking that definition is not before the Council. But as (hapter II, Part I, is before the Council, and as section 5 refers to that Chapter, my amendment that this portion of section 5 he omitted, implies that the scheme of amalgamation on which this section and the subsequent section, and the other provisions of Part I, Chapter II, are based, should not be accepted. In moving this amendment I am bound to say that I speak with some hesitation and diffidence, seeing that my views are opposed not only to opinions which are certainly entitled to very great respect, but may be taken to be opposed to already settled and accepted principles. Nevertheless there are certain objections against the principle which to my humble apprehension, appear so strong that I deem it my duty to place them briefly before the Council for their consideration. First, I submit that the scheme of amalgamation fails to secure the object for which it is That object is to improve the sanitary condition of the Suburbs of Calcutta. Now the scheme proposed is not one of mere federalization of the suburbs and the town, but one of complete amilgamation between the two, with a uniform rate of taxation all round. That means that taxation in the Suburbs is to be at least doubled if not trebled. Now this sudden pressure of increased taxation on the poor population of the Suburbs, a population consisting for the most part of poor clerks, petty shop-keepers and labourers, will inevitably drive a considerable number of them to places beyond the boundary, places which, as we all know, are less suited for purposes of habitation than those where the present crowded bustees are now Then, again, we shall have much less efficient conservancy arrangements than we have under the present Suburban Municipality The result will be that, instead of crowded bustees in the places where they now are, we shall have almost equally crowded and filthy bustees springing up under less advantageous circumstances for purposes of municipal administration, and the diseases which now prevail in the area to be amalgamated will spread in an aggravated form in places in which it will be impracticable to reduce them by adequate conservancy arrangements. The town therefore will continue to be as contaminated by adjacent crowded and filthy bustees as it now is.

Then, secondly, I submit that the present scheme will impair the efficiency of the municipal administration of the town. The scheme adds to the present town with an area of a little over 6 square miles and with a municipal income of about 28 lakhs of rupees per annum, an additional area of about 12 square miles with an additional income of at most 6 lakhs. It is impossible to understand how this can help affecting materially and prejudicially the efficiency of the present Town Municipality. Nor will it affect the administration merely by reason of the amount of pecuniary resources I venture to think that the time of the higher officers of the Calcutta Corporation is fully occupied in the work they now have before them, and it is not likely they will have sufficient time to undertake the additional work which will necessarily be placed in their hands by the amalgamation; but if they have spare time in their hands, no doubt the northern portion of the present town needs all their time and energy being devoted to its municipal improvement.

Thirdly, I submit that the scheme of amalgamation will be attended with injustice and hardship in the area proposed to be taken up. The rate of taxation being uniform all round—the taxation in the Suburbs, as I have already said, being increased two-fold, if not actually three-fold-it will naturally raise expectations in the Suburban residents to have the same municipal advantages given to them that the present town enjoys; and no doubt they will be justly entitled to all those advantages. But will it be possible for the new municipality with every possible economy to give them anything like those advantages? It is difficult to see how an income of 34 or 35 lakhs with an area of over 18 square miles can do what an income of 28 lakhs has done for the present town area of 6 square miles, and this after making all due allowances for differences in respect of density of population in the town and Suburbs.

In the next place the proposed amalgamation will destroy the homogeneous character of the present town. At present the municipal boundaries of the Town of Calcutta are co-extensive with the ordinary civil and criminal jurisdiction of the High Court. Under the proposed scheme, part of the municipal town will be subject to the ordinary original civil and criminal jurisdiction of the High Court, and another large part of it will be subject to other jurisdictions. And this will be no mere theoretical anomaly, but will lead in many cases, as in the case of prosecutions for municipal offences, to appreciable practical inconvenience. The municipality will have to keep two sets of officers—one to conduct prosecutions in the Calcutta Police Court, another to prosecute offenders either in the Scaldah Joint Magistrate's Court or in the

Alipore Court. Lastly, I submit that, whilst the proposed scheme is open to these objections, it is not after all necessary. When I say this, I do not for a moment mean to say that the sanitary condition of the Suburbs does not stand in need of immediate improvement, or that it is anything like what it should be. I quite agree with those collightened members of the European community who first diew public attention to the subject, and to whom our best thanks are due; but what I do submit is that improvements need not be effected in this sudden and forced manner by creating such a large disturbance in the existing state of things, but that it might be effected by slow degrees under existing arrangements. The failure of the Suburban Municipality to cope with the evil up to this time need not make us despair. In the first place the evil complained of is due to certain inevitable causes. I do not mean to say that under measures of sanitary improvement, well directed. the death-rate in the Suburbs may not be reduced; but I beg leave to point out to those who criticise the administration of the Suburban Municipality, that there is one cause of that death-rate which is independent of the sanitary condition of the Suburbs as far as it can be affected or altered by any municipality. The population of the Suburbs consists, as I have said, of poor clerks and shop-keepers and labourers, and as it is well known that they do not enjoy the means of living in a style such as the majority of the residents of the town, they must necessarily fall easy victims to disease. Death must create greater havoc amongst the poor than amongst the wealthy. Therefore poverty must be remembered as being one of the factors in the case, and so far as it is a factor the Suburbs cannot be improved unless the condition of the residents is improved. Then there is another matter to be borne in mind. The newly constituted municipality has hardly yet had a fair trial. The Suburban area is being divided into tolerably manageable wards, and the constitution of the Suburbs placed on a popular and broad basis. If it is allowed to have a longer term of triol, and if, as the Government of India suggest, power is given to the Government by this Bill to alter the limits of the municipality from time to time, the existence of this power in the Local Government will produce a most wholesome influence on the municipal administration of the Suburbs, and will make the Suburban Municipality strain every nerve to effect improvements, for they will find that necessary to ensure their own existence. If in addition to this they have aid from the Government, and if the Calcutta Corporation augment the income of the municipality by occasional contributions in accordance with an amendment which I shall have the honour to move in its turn, under these favourable conditions the Suburban Municipality may produce the desired effect, slowly though it be. yet surely; and then, as I suggest, if power is vested in the Local Government to alter the limits from time to time, the ultimate remedy, viz. amalgamation, may be resorted to if all this fails, and then without its being open to objection Then nobody will be able to say that the Suburban Municipality has not had a fair trial, or that the people of the Suburbs have been subjected to taxation without necessity. No one will feel the inequity of the measure, and the people will submit without opposition. Until, however, the Suburban Municipality has had this fair trial, I submit that the forcing of this measure will be attended with hardship, either real or imaginary; and in either case it will give rise to discontent, which ought to be avoided as far as possible.

The Hov. Babu Kali Nath Mitter said: In this matter I am in this position, that I am to a certain extent responsible for the introduction of this measure, because when the Chairman of the Corporation proposed to make certain modifications in the administration of the town so as to aid the Suburban Municipality by extending the water-supply and drainage system, I objected to it on the ground that, while the Suburbs would be benefited, they would not pay the same rates as the town I therefore recommended that certain parts of the Suburbs be amalgamated with the town so that the measures which the Chairman proposed might be given effect to. That amendment of mine was carried, and that, so far as the Corporation of Calcutta is concerned, is how the matter was disposed of. Therefore I consider myself pledged to support this measure of amalgamation. I was also a member of the Committee which the Government was pleased to appoint to consider this matter, and in that Committee I also gave my assent to this proposal. I did so after the fullest consideration, and I am not prepared now to withdraw from that position. I think it is a deplorable state of things that a person living on one side of a road should not have the same advantages which persons on the other side of the road enjoy; that, although to all intents and purposes the former are members of the town proper, yet as far as sanitary and other measures are concerned, they do not get the same benefit. That is the strongest argument for amalgamation. Then again my hon, friend, the mover of this amendment, forgets that the Government is going to relieve the Corporation of Calcutta from contribution to the Police Fund. That will amount to about 23 lakhs of rupees, and this sum will enable the Corporation to raise by loan large sums of money which will certainly bring about a decided improvement in the area to be added to the town. I believe that as far as the Commissioners of the present Corporation are concerned, they will be obliged to devote this sum to the improvement of the Suburbs. Therefore there will be this additional fund at the disposal of the new Corporation should the amalgamation take place. My hon, friend seems to be under the impression that the sanitary condition of the Suburbs will not be improved by the amalgamation. I, on the other hand, hold a totally diffe ent opinion. I think that if there be one body mainly responsible for looking after the affairs of the Suburbs and the Town, it will be bound to look into the wants and grievances of every inch of ground entrusted to its care; whereas if you have different bodies they will be guided by their own interests, and not look to the benefit of their neighbours. In illustration of this, I would refer to the question of the water-supply pending between the Suburbs and Calcutta. Although a certain arrangement had been come to, pipes had been laid down, and the Commissioners of Calcutta had done everything for the Suburbs which they had undertaken to do; yet the completion of the scheme, as far as the Suburbs is concerned, is as distant as ever. Therefore it seems to me that the general principle of having one body to administer to the wants of this vast area will be decidedly beneficial. No doubt a very large area is going to be added, but my hon friend forgets that the area of the Bombay Municipality is 27 square miles or thereabouts, and of the Madras Municipality 21 square miles; why, then, the metropolis of India should be confined to an area of 7 square miles I cannot understand? Of course the question of finance is a very serious one, and ought to be considered in all its bearings. The only definite relief which the Government proposes to give in favour of the Corporation will go to a great extent in doing all that is necessary. But a still further sum will be needed. Therefore there is a proposal that the Commissioners should be authorised to raise a duty on petroleum, and it will be unfortunate if that proposal is eliminated from the Act. The object of this amalgamation is to take in the urban portions of the Suburbs. It is very desirable that the urban portions of the Suburbs, which to all intents and purposes are at present little towns, such as Entally, Bhowanipore and Kidderpore, should be brought within the town limits; instead of having all these small towns in different directions, it would certainly be better to have one large town. The death-rate of the Suburbs is appalling, and the town to some extent suffers from it. Of course I know that you cannot go on increasing the area of the town for ever, and there must be a Suburb beyond the line we propose to take. But when you

find that small towns are springing up in the Suburbs, areas which should properly be part and parcel of the metropolitan city, they ought to enjoy the same benefits which the town proper enjoys. On these grounds, I am sorry I cannot support the amendment.

The Hon. Dr. MOHENDRALAL SIRCAR said: - In addition to the reasons advanced by the hon, mover of the amendment, which are entitled to great weight, I oppose the proposed amalgamation on sanitary grounds, the very grounds on which an amalgamation is sought. By amalgamating the Suburbs, or at least the very large portion of the Suburbs contemplated by the Bill, we shall be compelled to extend our underground system of drainage which includes sewerage into this vast area, and I must say that I contemplate with horror such extension and multiplication of our underground sewers. Already the underground sewers were having a most baneful influence on the health of Disease generally, and fevers in particular, were becoming more virulent than they ever were before, assuming year after year more of a typhoid or typhus character; and I am afraid that by extending this system to the Suburbs, we shall be gradually converting that vast area into a most prolific source of disease of the typhoid and typhus character. On simple sanitary grounds, therefore, I am obliged to oppose the amalgamation of the Suburbs with the present city. If you can possibly exempt the Suburbs from the extension of the underground system of sewerage, I may have no objection to the amalgamation.

The Hon. Sir Henry Harrison said:—I suppose the Council will expect me to say a few words on this amalgamation scheme which lies at the root of the entire Bill. I admit that the hon, mover of the amendment has adduced many strong and important reasons for his amendments, he has shown many difficulties in the way of amalgamation; but at the same time it seems to me that what he has not done is just what the Council must do, viz, that he has not weighed the reasons for and against amalgamation, and shown to us how the reasons for the amalgamation are either in themselves insufficient or can be met in any way. Fundamentally the reason for the amalgamation is the manifest inferiority of the health of the Suburbs compared with that of the town. It is perfectly true that he referred to that later on in his speech, but it will be desirable if I state it to the Council in a few words. The ordinary death-rate of the Suburbs as compared with that in the town is as 3 to 2. The death-rate in Calcutta itself is very high, but if we deduct from that rate the deaths from ordinary causes not zymotic, we then come to the death-rate in Calcutta from preventible diseases, which is about 14 per mille against a death-rate in the Suburbs of something like 30. That means more than 2 to 1. Something must be done to remedy this; but the moment we approach questions of improvement, such as the extension of the watersupply, the influence of the Salt Lakes, and other conservency measures either in the Suburbs or in Calcutta, we are met by the difficulty of co-operation or effective control on the part of the Suburbs. The Hon Babu Kali Nath Mitter has not in any way exaggerated the breakdown of the Suburban Municipality in the matter of the extension of the water-supply. I do not think it possible that the same source of water supply can be utilized by two bodies whose interests are different; and as regards the salt Water Lakes it is alleged by the Suburban Commissioners and by some other people who take an interest in sanitary matters, that the health of the Suburbs has been materially damaged by the works carried on there by the Calcutta Corporation in the neighbourhood of their eastern boundary. We naturally have mainly looked to our own interests in the operations which we have carried out. If it is true that the health of a portion of the Suburbs has been damaged by the operations near the Salt Lakes, then, obviously, it is only when they belong to us that their complaints will command our attention. It is extremely important that the Suburbs outside Calcutta in its restricted sense should have a proper system of water-supply and drainage under the control of an efficient Municipal body, and these improvements are far more likely to be effected by an Act of this kind than if they are left to a body like the Suburban Commissioners, whose jurisdiction extends from Chitpore

on the north to Garden Reach on the south, with a large intervening area which is included in the town. The hon. mover of the amendment has admitted that the Suburbs stand in need of improvement, but he protests against the sudden improvements which are to be forced upon them under this Act. I wish I could anticipate any probability of sudden improvements I am afraid it will be a question between gradual improvements if the Act is passed and the entire absence of improvements if the Bill is thrown out. I was moreover disappointed that the hon member did not show how his gradual improvements are to take place. He speaks of contributions from the Government and from the Town Corporation, and this is precisely what the Bill proposes to do. The Government proposes to remit the police rate, which will amount to some 3 lakhs annually; and the municipality will no doubt contribute in many ways by the assistance and sujervision of their officers, who will give part of their time to the work. It can hardly be said that the Suburbs have an efficient Health Officer or Engineer at present The Government will give assistance, but is it not natural that when the Government gives its assistance it should be desirous of giving it to a more organised body than the present one? So that, so far as assistance is concerned, it is precisely what it is now proposed to do. The general conception underlying the Bill is that the Calcutta Corporation should be placed in funds to the extent of 3 laklis more than they now have at command yearly, and that this amount should be devoted to the improvement of the Suburbs Also that the Suburban taxation should be raised to the Calcutta limit, on the understanding that the extra taxation shall also go for their benefit: thus on the whole it may be said that 5 lakks more will be available every year to expend on the Suburban area than at present. Here is some tangible scheme of improvement put before the public. By uniting all these Suburbs under one authority, and having 5 lakhs available more than at present, the Suburbs no doubt can be improved. Can they under any other system, if so, what? As to the objection that the Act would involve the introduction of the underground drainage in the Suburbs, there is nothing in the law to provide for this. It was a matter which would be left to the consideration of the Corporation. If it was not wise, why should not the hon, member raise his potent voice in the Corporation of which he was so distinguished a Member to object to the scheme being extended? A most important question for the new Corporation would be whether the underground drainage should be extended to the entire Suburbs or only to a portion of it, and it was very likely that a portion of the Suburbs would be included within the drainage system; but that was a question to be considered under the Act and not an objection to the Act. The next objection was that the taxation would be doubled, and that this would drive the poor people outside the limits of the new town. That would be an objection which might be held if the limits were very narrow, but the limits we prepose are so large that I am inclined to think that these poor fellows will have nowhere to go, consistently with their work in Calcutta, outside those limits. I hope that, so far from harassing these men, they will be less harassed by taxation than before, for special provisions are introduced to keep them and the tax-payers apart. As regards taxation, the objection cuts at the root of all improvement which costs money; without increased taxation where is it to come from? If it comes from the Government it means taxation in some other quarter, and it will be herd to show any reason why the people of other places should be taxed to improve the Suburbs. If the Suburbs are to be improved they must pay for the improvement, as it would be impossible to do it without raising taxation. I think that the argument that the Suburbs will suffer is the least well-founded which can be adduced, because the whole outline of the scheme is the benefit of the Suburbs at the expense of a free gift from the Government. Government is giving up more than 3 lakhs annually, and this sum is to be devoted to the improvement of the Suburbs. So that it really comes to this. that Government is making a present to the Suburbs of some 3 lakhs, to which the condition is attached that it shall be put under a better administration than that which it now has. Therefore I am bound to submit that under the circumstances amalgamation is a necessity, and that the objections against it are more than outweighed by the reasons in favour of it.

The Hon. Dr. Goo: 00 Das Bangriff said in reply:—The hon. member in charge of the Bill told the Council that I did not very clearly distinguish between what I implied by a sudden and forced change such as the Bill involves, and my concession that the Suburbs urgently needed improvement. I admit that the urban portions of the Suburbs require improvement, but the improvement which is required is only of a sanitary nature. Amalgamation with the town means that the town rates should be levied, as, for instance, the lighting rate, which is by no means essential to the sanitary improvement of the Suburbs. Here is a distinction The people are poor, still they ought to pay for the sanitary improvements urgently required, but they need not pay the lighting rate as an urgent necessity; as regards lighting, they can afford to wait for a few years. There are other matters of detail in taxation which may be adduced in illustration, and if the amalgamation scheme did not involve an uniform rate of taxation all round, but allowed of varying rates of taxation according to the wants of particular localities, I would not object to the amalgamation scheme. Another point to which I have to refer is the very comprehensive nature of the scheme. It was remarked that the inclusion of the whole of the Suburbs within the town will make it impossible for the poor residents of the Suburbs to go away from the town area. That makes the hardship all the greater: you tax the poor and make it impossible for them to find a place where they can go to escape the taxation. If it were really so, the hardship would be greater, but in truth the hon member in charge of the Bill is not so hard as that, as he leaves ample space for the poor to go to and to create crowded and filthy bustees in. I refer to what is known as the island area, the area between the Circular Canal and the new canal, which is left out of the scheme. That is by no means a very convenient locality for purposes of habitation, but the poor will go to it and create crowded and filthy busiees there. It was remarked that whilst I pointed out objections to the scheme, I did not show how the necessary improvement would be reflected, and it was very forcibly argued that the water-supply and other matters requiring cooperation between the municipal administrations of the two areas are measures which cannot be conveniently carried out unless the whole area is placed under one administration. The difficulty, however, is not insurmountable. First in reference to the water-supply; it is true that the measure has not been carried out as quickly as it ought to have been. It took a long time and has not been completed yet, but the reason was because there was the amalgamation scheme before the Council. If the Suburban Municipality is allowed to continue, and the amalgamation scheme is given up, the water supply will now be carried out without any further discussion or delay As for differences arising in future, they might be provided for by a short Act providing for the appointment of statutory arbitrators who would deside on matters of difference between the Calcutta and Suburban Municipalities. If such a measure were passed, in future matters which required co-operation between the two municipalities would be arranged without any great difficulty

The Motion being put, the Council divided :-

Ayes 2
The Hon, Dr Gooroo Das Banerjee
The Hon the Advocate-General.

Nocs 10.

The Hon. C. H. Moore.
The Hon. Babu Kali Nath Mitter.
The Hon. G. Irving.
The Hon. Moulvie Abdul Jubbar.
The Hon. Sir Alfred Croft
The Hon. Sir Henry Harrison.
The Hon. T. Allen
The Hon. C. P. L. Macaulay.
The Hon. H. J. Reynolds
His Honor the President.

So the motion was negatived

The Hon. Dr. Gooroo Das Banerjee moved that the following definition be substituted for the definition of "Calcutta" in section 3 of the Bill; and that in lines 3 and 6 respectively of section 15 for the word "twenty-five" the word "twenty-one" be substituted:—

"'Calcutta' includes the area enclosed by the following limits, namely—
the sou hern and western bank of the Circular Canal from the river Hooghly to the

northern side of the Eastern Bengal State Railway bridge, thence along the northern and western edge of the said Railway line, and of the Railway line joining it with the South-Eastern State Railway line, thence along the western edge of the South-Eastern Railway line to the point where it meets the Tilljullah road, thence along the southern edge of the said road to its junction with the Billygunge Circular Road, thence along the southern and western edge of the Balligunge Circular Road to the point where it meets the Puddopoker road, thence along the southern and western edge of the Puddopoker road and along the southern edge of the Pakoortollah and Chaoolputty road to the pant where the last-named road meets Tolly's Nullah, theuce along the eastern and northern banks of Tolly's Nullah to the river Hoghly, and thence along the left bank of the Hooghly to its junction with the Circular Canal, or by such other limits as the Local Government may, from time to time, fix according to the provisions of this Act; but not-

- (a) Fort William, (b) The E-plauade,
- (c) That part of Hastings north of the south edge of Clyde Row which has hitherto been excluded from the Municipality of the Town of Calcutta."

The meaning of this amendment in other words is this, that with the limited area indicated above, the number of wards should be 21 instead of 25. The boundaries of the new town ought to be defined in one of the definition clauses of the Bill, as in the above amendment. Before proceeding to explain my objection against the boundary given in the Bill, and my reasons for proposing the boundaries which I suggest, I ought to point out to the Council what the proposed boundary includes, and what the boundary indicated in my amendment is. [The hon member here exemplified his amendment by reference to a map.] At a glance the Council will see that the boundary proposed in the Bill is by no means a convenient practical boundary. It has a rugged edge all along the Suburbs, whereas the boundary I propose adopts the Circular Canal in the north and its counterpart, Tolly's Nullah, in the south, and the intermediate boundary is much less rugged and is almost straight. If the amalgamation scheme is to be carried out at all, it is only on the ground of the sanitary improvement of the Suburbs, and because the more efficient Municipal administration of the Suburbs requires it. One can understand that there is reason in insisting on incorporating the urban portions of the Suburbs, those portions which are more thickly populated than the rest and which require more efficient arrangements for conservancy, and more efficient Municipal administration in other matters, than the remaining portions. Therefore, as far as the reason of the thing goes, it only requires the incorporation of the really urban portions of the Suburbs. Does the proposed boundary in the Bill include that only, or does it not include a great deal more? I do not wish to be hypercritical, but taking a broad view, I say that it includes the greater portion of the Suburbs which we must agree to accept, but there are other large portions which are not at all of an urban character. In the south and south-west the proposed boundary includes large areas scarcely of an urban character; areas in which there is hardly a pucca building, except a few garden-houses here and there, very sparsely distributed, and portions which do not by any means require any complicated system of Municipal conservancy. The proposed boundary then is not necessary for the purpose. But the matter does not stop here. It is not only unnecessary, but it is likely to prove injurious to the efficiency of the Municipal administration of the Town. When you take in the really urban tracts, you relieve the Suburbs of some burdens which the Suburban Municipality is not well able to discharge, and though you throw additional burdens on the town, you give it a good return in the shape of rates and taxes. But by taking in the outlying tracts you add to the burdens of the town, without giving any adequate compensation from such portions in the shape of additional taxation. Further, the proposed scheme of amalgamation will give rise to hardship, injustice and discontent, for whilst you tax the people uniformly all round, you cannot conveniently do for the larger area what you may do for the smaller. If you take only the limited area which I suggest, there will not be that difficulty in giving the additi mal area the municipal advantages which the present town enjoys that there will be if you take in the whole of the area proposed by the Bill

I shall follow the suggestion thrown out by the hon. member in charge of the Bill, and weigh the relative conveniences and inconveniences of the two proposals in order to strike a balance. I know it may be said on the

other side that my scheme leaves out Watgunge and a portion of Kidderpore in the south, which are of an urban character and are thickly populated; that it also leaves out the docks which require more careful and more efficient municipal administration. It is true that my scheme leaves out these two parcs, and errs by taking in too little; but the other scheme errs by taking in too much, and the question is on which side is the balance of convenience? I venture to think that there is a natural presumption in favour of the existing order of things. It has not been shown that Watgunge is in the same bad condition as Entally, and the portion of the Suburbs between the Circular Road and the Circular Canal, and the burden will be on those who say that it is necessary to take in these additional areas also by reason of their dense population. Then, again, there is an obvious objection that this measure takes in areas which evidently ought not to be taken in. I have also the advantage of having a practically more convenient boundary as compared with the boundary proposed by the Bill. On the whole, therefore, the balance of convenience is on my side. An then it should be borne in mind, as my amendment implies, that power is left in the hands of the Local Government to alter the boundaries from time to time If the docks after their completion should happen to require more efficient municipal administration than the Suburbs can provide, there will be no difficulty in the Local Government ordering the limits of the town to be altered so as to include the docks, and at the same time not to include the large non urban area now proposed to be taken. There is some difference between fixing the boundaries by Statute and fixing them by order of the Executive Government. The Executive Government may, through the agency of any municipality or other convenient agency, have roads laid out which may serve as a boundary. For the present that has not been done, and I think I am right in saying that a good portion of the unnecessary area that has to be taken up is being taken up because in no other way can a convenient boun tary be obtained which would be consistent with the inclusion of Kidderpore and the docks. The Executive Government will be under no similar difficulty. It may have a road laid out, so that the Kidderpore Docks may be brought within the limits of the town without including any non-urban tracts. I submit that all that can be desired under the present state of things may be done if my amendment is accepted.

The Hon, Sir Henry Harrison said.—I understand that the question we are now discussing is not what the limits of Calcutta should be, because it is possible that the Select Committee or some member of the Council may yet see their way to move a modification in the boundaries now shown in the Bill which it may be right to adopt with advantage. What is now proposed is a most radical modification which would entail the reduction of the wards from 25 to 21. The effect of rejecting this amendment will be to reject the hon, member's boundary, and leave the whole question of the boundary to be settled hereafter. It is very inconvenient that the Council has not before it a proper map which every member may refer to, but the notice of amendments has only been circulated within the last 24 hours. I think, therefore, I am right in assuming that if the amendment be rejected, the question of boundaries will still remain open to be finally settled when we proceed to Part I of the Bill.

[HIS HONOUR THE PRESIDENT remarked that the rejection of the amendment before the Council would certainly not prevent the Select Committee from altering the definition of "Calcutta," or any member of the Council from proposing a new amendment when the question comes before the Council.]

The Hon. Sir Henry Harrison continued:—On that understanding I must certainly ask the Council not to accept the amendment now before it. It would mutilate the amalgamation scheme. By the line which the hon. member has drawn, Calcutta will not extend to the south of Tolly's Nullah; consequently Alipore, Kidderpore, Watgunge, and the whole of Garden Reach will be omitted. By the hon. member's scheme we would go to the head of the docks and there stop Such a policy would be suicidal. What is most necessary is that the Municipality should have the opportunity of watching over and regulating the formation of those blocks of houses

which must inevitably spring up around the docks. As far as the Port Commissioners are concerned, there can be no doubt that everything will be done with proper attention to building regulations and their surroundings. but outside that limit there is a certainty that houses will spring up in a miscellaneous way, and it will be found impossible hereafter to arrange and group them in proper order of streets. The building regulations we are now proposing will prevent in the future the chaotic manner in which houses are now springing up in the town, and these regulations should in the localities surrounding the docks be enforced ab initio. It would, therefore, he a matter of the greatest inconvenience if the docks are not now brought within the limits of the town. The difficulty of fixing the best boundary lies in this, that it is impossible to fix a good line, consistently with the inclusion of the docks, which does not take in some agricultural tracts. If any better line can be found, I shall be very glad to accept it; but allowing for the connection of the docks with Sealdah, the Select Committee as at present advised cannot find any better The opening of the docks will certainly bring a considerable population to their neighbourhood. When I was in Bombay three years ago, I particularly enquired how the difficulty of dealing with rural lands was got over, and I was informed that there was no difficulty. The lands being assessed at a low rate paid but little, and the advantages in the way of roads and lighting were found sufficient by way of return for the taxation levied on it. In conclusion, I would say that to accept this amendment, by which the docks, with Kidderpore and Watgunge, would be outside the town, would be altogether erroneous.

The Hon. Dr. Mohendralal Siecar said:—I cannot understand why the Kidderpore Docks should be brought within the Municipality of Calcutta Suppose that after a time another system of docks may be necessary and actually established outside the new limits, should we come to the Legislature and ask that they be declared to be within the limits of the town? Why should not the municipal administration of these docks be confided to some other municipality than that of Calcutta? Why so heavily burden the Calcutta Corporation with it? I support the amendment so far as the definition of the limits of Calcutta goes, but I oppose the reduction of the number of wards.

The Motion being put, the Council divided :-

Ayes 2

The Hon Dr Gooroo Das Bancijee The Hon the Advocate-General. Noes 11

The Hon. C. H. Moore
The Hon. Dr. Mohendralal Streat
The Hon. Balor Kali Nath Mitter.
The Hon. G. Irving
The Hon. Moulcie Abdul Jubbar.
The Hon. Sir Alfred Croft
The Hon. Sir Henry Harrison.
The Hon. T. T. Allen
The Hon. C. P. L. Miciulay.
The Hon. H. J. Reynolds
His Honor the President

So the motion was negatived.

The Hon. Babu Kali Nath Mitter said:—My amendments Nos 6, 11, and 16 are so intimately connected with each other that I shall move them together. They are as follows:—

(6). That in lines 3 and 10 respectively of section 4, for the word "seventy-five" the word 'eighty" be substituted.

(11). That in line 1 of section 7, for the word "seventy-five" the word "eighty" be substituted; and that for the word "fifteen" the word "twenty" be substituted

(16). That in line 1 of section 8 the words "of" and "fifty" respectively be omitted, and that after the word "remaining" the word "sixty" be inserted.

For the purposes of the present discussion, I shall assume that the boundaries proposed in the Bill are the boundaries, or something substantially the same. That being so, the present town will have an area of 12 square miles added to it. The present Corporation consists of 72 members, of whom

24 are nominated and 48 are elected. The Bill under which the present constitution was conferred was introduced in 1875, and took fully two years to pass into law. Then the question of numbers was very fully discussed, and as a compromise 72 Commissioners were ultimately agreed to. There was a proposal to fix the number at 60, but that proposal was negatived. At present the town is divided into 18 wards, in some of which 3 Commissioners are elected and in others only 2. If the number of Commissioners stands at 75 as proposed in the Bill, the mevitable result of dividing it into 25 wards, unless my qualifying amendment is adopted, will be that each ward will return 2 members. On this subject we have hid several representations submitted to the Council. There are representations in favour of my amendment, and there are also representations against it. The British Indian Association urged that the number should be fixed at 80. They say: "Bearing in mind that the Suburbs will contribute 7 new wards to the town and that two representatives for each of them would give an addition of 14 to the present number of 72, the total should be 6, but as slight reductions in some of the smiller wards will not be objectionable, the Committee would fix the total at 80." That is the figure 1 propose should be fixed. The Indian Association also fixes the number at 80. Again, the Corporation of Calcutta in discussing this Bill said . " The Commissioners have recommended 90 as the number." As far as I have heard the hon. member in charge of the Bill on the former occasions on which he addressed the Council, I understand he will have no objection to 80 Commissioners, because they would act as an appellate body before whom all questions of importance will be discussed. So that on the question of convenience or inconvenience, I do not think there will be any great inconvenience if the number is increased from 75 to 80. It would only be a difference of 5, but it will have great importance attached to it. Then, as I have said, there are representations against the number of 80. The Chamber of Commerce say. "But the Committee believe that experience has shown the present to be an unwicldy number of representatives, and they would support the suggestion that the number of Commissioners should be reduced rather than increased." There was also a representation from the Calcutta Trades' Association, and in the 7th and 8th paragraphs of their letter they discuss this question. They say "In thus advocating the due recognition of the claims of the European community, the Committee of the Association are actuated by a desire to secure for the future municipality of Calcutta the services of a number of men emmently qualified to take part in the municipal government of the city. It has hitherto been found impossible, for reasons which are only too well known, to induce a sufficient number of such men to come forward." What those obvious reasons are perhaps we shall be favoured by the hon, member on my left (M1. Irving), but the reasons are not obvious to me On the contrary, I shall be able to show that there has been little or no interest taken by this body in returning members to the Corporation. They go on to say: "But it now behoves the Government, in view of the strong conviction which exists in the minds of the European community that their interests should be effectually safeguarded, to enact a municipal law that shall make it possible to introduce into the personnel of the new Corporation a fair proportion of European Commissioners. The numerical strength of the Corporation, as laid down by the Bill, is the next point to which the Committee desire to invite the attention of His Honour the Lieutenant-Governor. They are still of opinion that a body of seventy-five Commissioners will be unnecessarily large, and would therefore suggest that the number be limited to sixty." I would also point to the letter of the Secretary to the European and Anglo-Indian Defence Association They complain of there being no adequate European representation, and they give a schedule showing how they would like to see the Commissioners elected. They say that wards 17 and 18, with a population of 11,000, should be amalgamated and should return 2 Commissioners, and that wards 1 and 3 with a population of 51,000 should have 2 members: that wards 15 and 16, with a population of 16,000 should have two members, and that wards 2 and 5 with a population of 62,000 should have only one member. If this is adequate representation, the number of Commissioners can no doubt be reduced, but to my mind it is anything but adequate representation. My proposal is that, with the number of 80, the nominated Commissioners be fixed at 20, and that 60 be distributed

amongst the wards. Wards Nos. 1 and 3; 5, 7 and 9, 12, 13, 15, 16 and 17 should return three Commissioners each, and the remaining wards two Commissioners each. There would be this advantage that wards 12, 13, 15, 16 and 17 having three Commissioners each would each be able to return one member of other nationalities, and you would thus have five more members of other nationalities elected, and as the Government instead of nominating 15 Commissioners would nominate 20, there might be five more Commissioners who would be Europeans, and therefore these ten Commissioners would not be either Hindus or Mahomedans. That it would be so there could be no doubt. At the last election in ward No. 12 the last member elected was Mr Hallett, and if instead of two Commissioners in this ward we had 3, one European Commissioner would certainly come in. The last member elected in ward No. 13 was Dr. Chambers, and again in ward No. 15 Mr. Chick had come in; in ward No. 16 Mr. Doucett, and in ward No. 17 Mr. Gore Brown. So that in these five wards you would be able to elect one of the other nationalities to make up the number. The objection which might possibly be taken is that, in some of the wards, such as 1, 3, 5, 7 and 9, Hindus would come in. But in the other wards 12, 13, 15, 16 and 17 other nationalities would come in So that my proposal does not in the least affect the interests of the other nationalities The number of nominated Commissioners should be fixed at 20, that is to say, one-fourth of the whole number. I know that the hon member in charge of the Bill is very much opposed to this reluction. He thinks that the interests of mmorities would be very much affected if there was a reduction of five in the number of nominated Commissioners. On the contrary, I shall show that it will do nothing of the sort. If the Council would look at the returns of the four elections which have taken place, the fact will be as clear as possible. When the elective system was first introduced. the number of Hindu voters was 4,556, the number of Mahomedan voters 289, and of other nationalities 199 That showed that the other nationalities took no interest in the elections. The Hindus in the first election returned 41 members, the Mahomedans returned 3 members, and the other nationalities 4. In the next election in 1879 the Hindu voters numbered 6,025, and yet the number of Hindu Commissioners returned was reduced to 39, the Milliomedan voters increased to 604, and kept the same number of Commissioners, the other nationalities advanced to 377, and returned 6 members. Did that show that the other nationalities took any interest in the elections of 1879? Then in 1882 the Hindu voters numbered 9,194, but returned only 32 members; the Mahomedan voters were 850 and returned 5 members; other nationalities had 1.363 voters, and returned 11 members. In 1805 the Hindu voters were 7,827, and returned 27 members; the Mahomedans were 1,064, and elected eight Commissioners, and the other nationalities mustered 1,105, and returned 13 Commissioners. Does not this show conclusively that in proportion as particular communities took interest in the elections they were able to return a larger number of Commissioners? I do not think that 1,105 voters is anything like the largest number which these other nationalities can muster. I believe that number could be multiplied manyfold. It seems to me that the system of elections should not be condemned by those who do not try to work it out properly. Until they really take an interest in the elections, they cannot expect to be elected. At the last elections, to the credit of the Health Society it should be said that they were able to persuade 1,100 persons to register themselves as voters, and the inevitable result was that the number of Commissioners of other nationalities rose from 11 to 13 In the Bill which was introduced in 1876, the Legislature intended to fix the number and proportion of Commissioners in the following way. They intended the number of Hindu Commissioners to be 27, of Mahomedan Commissioners 9, and of other nationalities 18, and 18 were to be appointed by the Government, of whom Hindus and Mahomedans should be 9, and 9 should be appointed from other That was how the Select Committee of the Council settled the Bill in the first instance. It was pointed out then that that would introduce a very individuous distinction in the law and was not necessary. Sir Stuart Hogg was violently opposed to the introduction of the elective system. and it is an unfortunate coincidence that Sir Henry Harrison is also violently opposed to be expansion of that system. I hope the majority of the Council will oppose Bir Henry Harrison on this occasion, as they opposed Sir Stuart Hogg then, and I have no doubt that a few years experience will show that Sir Henry Harrison bas made a mistake.

Agitation has been raised from time to time against the administration of the town by the Corporation. It was said that the wants of the town were not attended to, to the extent that they should be It was further stated that the Hindu Commissioners who took a paramount interest in the affairs of the municipality had proved themselves obstructive, and that but for them many other things might have been done. This was a matter on which I feel some delicacy in speaking; but if the reports of the Army Sanitary Commissioners for different years are looked at, I should not have the least hesitation in saying that persons capable of understanding these matters will give their testimony in favour of the Corporation, and not against it. If an Englishman who had been through the northern portion of the town 12 years ago saw its condition now, he would be amazed at the improvement which has since been made. There are in fact parts of it which it would be impossible for him to recognise now. I myself had occasion lately to see a friend living at a place near Sukea's Street. When I first went to the place a few years ago, there were large areas there without any buildings, except here and there some nuts But to my surprise when I, the other day, entered the lane, I found buildings on both sides of it, and experienced the greatest difficulty in recognizing my friend's dwelling. So that it is not too much to say that the affairs of the Corporation have on the whole been satisfactorily managed by the present Corporation. Testimony has been borne to this fact by the British Indian Association, and I submit that the test mony of the persons representing that Association goes a great way; they are persons who live in the northern portion of the town, and are therefore able to speak from their own experience If the verdict on the administration of the past ten years shows that the affairs of the Corporation have been successfully managed, I say that it is only right and proper that the further extension of the elective system should be conceded, so that it might be looked upon as a mark of confidence in the Commissioners who have administered the affairs of the town. If Your Honour's predecessor, Sir Richard Temple, notwithstarsling the strenuous opposition then raised by the hon, mover of the Bill, was prepared to reduce the proportion of nominated to elected Commissioners to one-fourth, it is not too much to expect Your Honour now to do so. Sir Richard l'emple then said :-

"There is one point I wish to mention and to leave the decision entirely in the hands of the Council. It has been impressed upon me by the second of the two deputations which came to see me that it would give great satisfaction if, in the elective sections of the Bill, the proportion of Municipal Commissioners to be appointed by the Government should be reduced from one-third to one-fourth. I have just received a letter from the Chairman of the Indian League, which presses upon me the same view as that which was urged by the very large deputation to which I have referred. That deputation comprised many gentlemen of rank, wealth and station, besides the members of the Indian League, and they certainly urged the point very much upon my attention. I understand that they attach very great importance to it. I myself do not see it in the same light. It does not very much matter whether the proportion of nominated Commissioners is one-third or one-fourth, as far as the Government is concerned; it is not a point on which the Government is particularly interested. Certainly the Government has no desire to obtain the power of appointing members who would be, sit were, Government nominees; that is not the object with which the section has been introduced. The object of the Council in introducing that section is this, that in the event of the elections not sufficiently representing certain sections of the community, particularly the Mahomedan section of the community and the European section, the Government should have the power of redressing the balance. It was for the purpose of this redressing of the balance that the proportion of one-third was taken. I am myself so far sanguine that the elections will on the whole nearly represent the different sections of the community, that I am quite willing to reduce the proportion from one-third to one-fourth, if that shall be the pleasure of the Council"

On that occasion the late Hon. Kristodas Pal and the hon. member opposite (Mr. Reynolds) voted for the proportion of one-fourth, but the majority of the Council was against it. I submit that it is wise now to make the extension which was then denied. In bearing testimony to what has been done, Sir Henry Harrison on one occasion spoke of the good work done by the elected Commissioners. The point, however, in which he considered they had failed was this, that in large questions of improvement they had not come up to the point he had expected. No doubt my hon. friend, from his position in the Corporation, was able to give his views in this matter with great confidence, but I have also been in the Corporation since the elective system was introduced, and my experience on this point is at variance with that of my hon. collegate. I think all large questions of importance have been passed as much with

co-operation of the elected Commissioners as with the co-operation of the other members. I can only recall to my mind three instances where, as far'as I am concerned, I believe the majority went wrong. But with these exceptions, I do not remember a single instance in which I had reason to regret what had been done. It has been my privilege to be very often in opposition to the Chairman of the Corporation, and it has been my satisfaction in many cases to find my opposition successful; but it was only with reference to three matters that I have regretted the vote of the majority. Of course it is quite possible to conceive there were occasions in which there might have been difference of opinion, but there are many questions in which there should be no difference of opinion, and on such occasions difference of opinion is to be regretted. It is said that a great deal of time is wasted. There is no use in mineing matters, and if you will pause to consider what that means, you will come to the conclusion that it means absolutely nothing. The Town Council meets almost every Saturday; one-and-a-half or at most three hours are taken up; meetings of the general body of Commissioners are on an average twice a month, and they occupy between two and four hours each time. If my hon, friend (Mr. Irving), who represents the Calcutta Trades' Association, will say that their constituents are not prepared to make these sacrifices, my answer then is that they ought not to have anything to do with the Corporation. I do object that members of the Corporation should, just at the time of voting, attend meetings only when personal questions or questions of great moment are to be considered, without giving any thought to the consideration of the subject, and out-vote those who have taken great interest in the matter. That is a danger to which the Corporation should not remain open. I believe I speak the sentiments of my Hindu and Mahomedan colleagues in the Corporation when I say that they would be well pleased to have European Commissioners who take an interest in the affairs of the municipality. It is a fact well known that European gentlemen who take interest in the affair, of the Corporation are listened to with the greatest respect. Therefore it is idle to say that the Hindu or Mahomedan Commissioners would object to have European gentlemen as their colleagues. On the contrary, they are welcomed if only they take interest in the work. On one occasion Sir Henry Harrison, speaking of the elected Commissioners, was pleased to say that they generally acted in a spirit of parochialism. I very much regret that he has said so. I think his largest supporters have been amongst the elected Commissioners, and most of the important measures have been carried through with their aid. And I believe that the elected Commissioners are not fairly open to that charge. It is strange, however, that while he has said so much of the elected Commissioners, he had nothing to say as to what the nominated Commissioners have done. It is not simply that it is necessary that the Government should retain certain powers in its hands, but the object in retaining such powers should be to enable it to secure an adequate representation. It is not too much to ask you sufficiently to trust the people of Calcutta to elect those who will be able to be of service to them. And remembering that by the present Bill it will be for the Chairman to prepare a list of voters, the difficulty at present experienced of European gentlemen not registering themselves for the purpose of voters will disappear, and consequently they will be able to return a larger number of the Commissioners than as heretofore.

I have already trespassed very long on the time of Your Honour and that of my hon. colleagues; but as this matter is one of very great importance,

I hope I shall be excused.

The further consideration of these amendments was postponed.
The Council was adjourned to Saturday, the 4th February, 1888, at 2-30 P.M.

GORDON LEITH,

Offg. Asst. Secy. to the Govt of Bengal,

Legislative Department.

CALCUTTA;
The 7th February, 1888. }

COLONIAL AND INDIAN EXHIBITION OF LONDON, 1886.

REVENUE DEPARTMENT-MISCELLANEOUS (F)

Calcutta, the 3rd February 1888.

RESOLUTION.

READ again-

The Resolution (Mis. F) of this Government, dated the 2nd May 1885. The Resolution of this Government, dated the 31st July 1885.

READ-

The Resolution of this Government, dated the 15th July 1886.

Letter from the Trustees of the Indian Museum, No. 28th, dated the 19th December 1887.

Letter from the Government of India, Revenue and Agricultural Department,

No. 915 M & E-63-12, dated the 12th December 1887, with enclosures.

By the Resolution of the 2nd May 1885, cited in the preamble, an

Mr H A Cockerell, CSI,
President.
Hon'ble Colonel S, T Tievor
Mr M Finucane
Dr George Kiig
Mr H H Risley
Major (now Lt Colonel) Waterhouse
Mr H H Locke
Surgeon Viajor D D Cunningham
Hon ble A P, MacDonnell
Mi A Pedler
Mr M H Jackson, Member and
Secretary.

Executive Committee, consisting of the gentlemen named in the margin, was appointed, and funds were placed at its disposal for the purpose of making arrangements for the Bengal Court in the Colonial and Indian Exhibition of London, 1886. In view of the character and magnitude of the duties connected with these arrangements, it was considered that, although falling within the recognized functions of the Director of the recently established Agricultural Department, they might

with advantage be entrusted to a Committee rather than to a single officer. and the Committee as at first constituted was, in the following July, enlarged by the addition of certain members, with the object of enlisting the co-operaation of the mercantile community, and thus ensuring an adequate representation of important commodities and manufactures. The Committee's report, reviewed in the Resolution of the 15th July 1886, had been submitted in the preceding April after the collection of exhibits and their transmission to London, and on the separation of the members, its place was taken by the Secretary of the Bengal Economic and Art Museum. On the 1st April 1887, however, that Museum was made over to the custody and control of the Trustees of the Indian Museum, and the post of its Secretary having been abolished, the work in connection with the Indo-Colonial Exhibition was transferred to the newly appointed Assistant Curator, and has since remained in the hands of that official under the control of the Trustees. In their letter of the 9th December 1887, referred to above, the Trustees represented that the work involved a considerable amount of correspondence, and they suggested that, now that the exhibits returned from England had been disposed of, they should be relieved by Government of all that remained to be done.

- 2. The accounts of the London Exhibition, so far as they relate to Bengal, have been received from the Government of India, and a sum of Rs. 15,123-5-11, representing the price of the exhibits sold, has been placed at the disposal of this Government for distribution to the owners of such exhibits, including the Local Government. The duties which now remain to be performed are as follow:—
 - (1) the final adjustment of the accounts of the expenditure incurred by the Bengal Executive Committee in connection with the London Exhibition;

(2) the disposal of certain returned exhibits;

- (3) the distribution of the money recovered by the sale of exhibits; and
- (4) the settlement of any claims that may be made for compensation for lost or damaged exhibits.

In these details are involved which cannot be satisfactorily dealt with by Government, and the Lieutenant-Governor is of opinion that they may heat

be entrusted to a Committee, which, he is accordingly pleased to direct. shall consist of the following gentlemen:-

Mr. M. Finucane, President.

- A. Pedler.
- M. H. Jackson.
- T. N Mukharji, Secretary.

The records and proceedings of the Bengal Executive Committee, which are now in the office of the Economic Section of the Indian Museum, will be placed at the disposal of the Committee thus appointed; and to it will be transferred all correspondence on the subject pending before Government, together with the sum of Rs. 15,121-5-11 received from the Government of India for distribution. It is requested that immediate steps will be taken in the matter.

ORDER-Ordered that this Resolution be published in the Calcutta Gazette, and that copies of it be sent to all members of the Committee appointed, to all Commissioners of Divisions, and to the Trustees of the Indian Museum.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

LIBERALITY OF CHOWDERI Mohadeo PERSHAD, ZEMINDAR OF NANPUR IN MOZUFFERPORE.

No. 321, dated Calcutta, the 2nd February 1888.

From-Colman Macaulay, Esq., Secretary to the Government of Bengal, Municipal Department,

To-The Commissioner of the Patna Division.

I AM directed to acknowledge the receipt of your letter No. 9G, dated the 9th instant, in which you report that Chowdhri Mohadeo Pershad, zemindar of Nanpur, in the district of Mozusserpore, has offered to defray the cost of replacing the present bridge over the Lakhundai river at Sitamarhee by a new masonry structure. The expenditure is estimated at Rs. 27,000, of which a sum of Rs. 10,000 has already been advanced by the donor. The District Board of Mozufferpore have ordered the collection of materials and the preparation of the necessary plans and estimates.

2. In reply, I am directed to state that the Lieutenant-Governor is pleased to accept the offer on behalf of the District Board of Mozusserpore. I am to request that you will be good enough to convey to Chowdhri Mohadeo Pershad an expression of the Lieutenant-Governor's satisfaction at this proof of his public spirit and liberality. This letter will be published in the Calculta Gazette.

Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 4th February 1888

| No | | District and date of return | nt Sta | onfall odder di nin iches | Character of the weather and state and prospects of the crops |
|------------------|-------------------------------|--|--------------------------------------|--|---|
| BEN | JAL | Western Districts | | | |
| BURDWAN DIVR. | 2 1 3 1 4 1 5 1 | Guidwan Feb 4, (ulna Ranc gange Bu koors ,, 4, Beerl hoom ,, 4, Kami ur Hat Aidnapur ,, 4 Hooghly ,, 4, Campur Jehan abad Howish ,, 6 | | 1 75 0 15 Nil | Weather—seasonable Rubli crops come g on well Pressing of sugarcane has commend in places. Prices entinue stationary. Seather—seasonable Rubbi doing well Cutting of sugarcane has begun in places. Weather—becoming warm suddenly. A good paddy crop has been generally harvested. Boro cultivation going on Weather down and cold. Prop prospects continue good, but some pulses slightly a unaged by late rain. Sugarcane pressing proceeding. Weather—clear and cold. Harvesting of amin almost over. Boro paddy is being transplanted in the Oolooberiah sub-division. |
| Presidence Dive | 8 9 | 24 Perghs Icb 7, Nuddes ,, 4, K oshten (hooddang) kanaghat Khoolus ,, 4 Jessore ,, 4 Jheridah Migo rih Natal Bing ng Moorshe dat ad Jungipur ,, 4 | '85 | Nil 0 10 0 28 1 08 | Weather—seasonable cool and bright Harvesting of amun crop practically ever Culting of sugmeance attinues. All other standing crops promise well. Weather—very cold for the cor four days. Rece than has bett red the crops. More rain would be beneficial. On the whole the prospects are very fair. Weather—cold during early part of week lastery warm. Harvesting of amun and transplanting of boro rice also secompleted. Prospects of winter crops good. Weather—continued cold until a courte of days ago. Harvesting of amun paddy nearly over. Recent rain has benefited the standing winter crop. Weather—seasonable somewhat warm. Prospects of rubbi crops good. Harvesting of amun completed. |
| RAJSHAHTE DIVE | 12 13 14 15 16 | Dinagepur 1 cb 4 Rajshahye , 4 Rungpur , 4, Kungram Bogra , 4 Sherpur Pubna , 4 Arrigunge Darjechi g , 4 | , '88 , '88 , '88 | Nil 0 16 Nil 0 05 Nil 0 27 0 10 0 21 | Weather rather cold but sunny Harvesting of winter rice almost finished Mus and in ear and in many plut a almost ripe. Sugarcane being pressed. I breed dring well. Rice at ing at from 20 to 21 see a per rupce. Weather seasonable. Prospects of spring crops fair, but rain wanted. Prospects of ganja good. Weather—seasonable. Cold weather crops doing well. Prices rising somewhat. Weather—seasonable. Harvesting of amin almost over. Pressing of sugarcane going on Gathering of mustard nearly over. Prospects of cold weather crops good. Prospects of crops good. Heavy fall of snow up to lower ranges (10 000 to 12,000 feet), misty and raw. State and prospects of crops good. We there se isonable. Harvesting of winter rice is still going on in parts of the district. Mustard is being harvested. Tobacco, wheat and other cold-weather crops doing well. |
| DACCA DITIEIOR. | 1 | Daces Feb 4 Murshigunge Naraingunge Furrecdour ,, 4 Madaupur Backergunge ,, 5 Mym usingh ,, 6 Kisl oregunge Netrokona | '8- | Nil 0 51 Nil 1 00 2 72 0 15 0 19 0 23 | Weather first part of week cloudy, latter part fair and cold Pulses and mustard are being gathered. Recent rain has done much good to standing crops. Planting of boro paddy nearly completed. Ploughing for assepaddy and jute going on. Weather—seasonable. Prospects of winter crops good. Rain much wanted in Genlundo. Weather—seasonable. Prospect of crops good. State and prospects of crops continue good. |
| CHITTAGONG DIVE. | | Noakholly ,, I cany Tipper th ,, Brahmanbariah Chandpur Chattagong Hill ,, Tracts | 7. '88 3, '88 2, '88 3, '88 | 1.45 0.8 0.74 1.75 | Weather—seasonable Prospects of standing crops good Prices steady Weather nather heavy rain on the 27th January, which made the weather cold, fair and plasant since State of rathe crops good, Weather—rainy in the beginning of the week, n w very cold and bright Rain has done immen-e good to the wint r crops, and has helped in the preparate n of the fields for one and jute crops. In the north the harvesting of the rabbi crops is progressing favourably Copious rain. Weather cold. Harvesting of mustard almost finished. Buin has improved condition of all cold-weather crops. Pressing of sugarcane continues Weather—old Tobacco and mustard promising. Sugarcane commenced to be cut. Prospects of winter crops bettered by the rain of the week. |

| 1 | No. | District an | | of | | Rainfill at Sudder Station in inches | Character of the weather and state and prospects of the crops |
|------------------|------------|--|-------------|----|-----------|---|---|
| BEI | HAR | | | | | | |
| | 2 6 | Paina Dinapur | Feb | 4, | *88 | Nil 0 44 0 20 | Weather—cool, cloudy at the latter part of the week Prospects of spin crops good at present Poppy in flower and promises well Pric of the stationary |
| | 27 | Barb Gya | ,, | 4, | '89 | TO THE R. P. LEWIS CO., LANSING MICH. | Weather -seasonable Threshing of piddy is nearly finished Rubbs pr gressing tolerably well Opium being extract d in Daodunggar |
| TAR. | 28 | Shahabad 1 uxar | ,, | 4, | '88 | N ₁ 1 0 03 | Weather—bught and clear, Interly occasionally cloudy. State of rubbe crossing factory, recent rain has improved prospects considerably. Pipe come gion well, and prospects to a successfully with apprehended owing to cloudy weather, which, however, his fortunate pixed away without any haim. |
| FATRA DITE. | 29 | Durbhunga | " | 4, | '88 | Nıl | We other—very cold Rubbs and poppy crops continue favourable 1 and a being prepared for indigo. Tobacco is doing well. Price of the average 21 seets per rupe. |
| 4 | 30 | Mozufferpur | ,, | 1, | '88 | Nil | Weather-mostly cold and clear, but occasionally overcust and wirm Pro |
| | 31 | Sarut Gopalgunge | | 1, | '88 | N ₁ l 0 12 | yeets of crops fair. Poply in bud and flower Weather—fair occasionally cloudy Prospects of rubbe and poppy conting good Poppy is reported to have been benefited by the late rainforfollowed by westerly wind |
| 1 | 32 | Chumpsrun | w | 4, | '88 | Nil | Weather - cool and dy West wind prevailing. Prospects of rubbi ar peppy continue favourable, they have been much benefited by the rule of the past week. |
| 1 | 88 | Monghy: Begusera: Jamus | Feb | 4, | '88 | N ₁ 1 0 10 0 7 | Weather seasonable and clear Prospects of rubbs and poppy crops continutation |
| HANGE LEGER DIVE | 34 | Bhaguli ur Madelipur t Sopool Bauka | ** | 4, | | 0 42 0 2 1 0 09 | Weather—at first very ald with strong west wind warmer during to last two days. Prospects of standing crops good, but run hos somewhole demaged rahar, his ed and gram which are in flower. Mustard heresulted in an outturn of 8 to 10 annas. |
| (| 85 | Puri esh Kishengung | ,, | 4, | '84 | Nil 0 10 | Weather - clear and warmer. Rubbs crops doing well Rain wanted in sor |
| The second | 86 | Attareah Maidat (hanchal | " | ı | '88 | 0 16 Nil 0 06 | Weather—seasonable and fine Harvesting of mustard and kalle genze Prespects of rubb crops good Trumplantation of boro paday going Common rice selling at in average of 33 sees per rupe. |
| | 87 | Sonthal Pergha Deoghur Godda Pakour Rajmahal | | * | 88 | Nil 012 018 012 009 | Temperature has gradually us a during the week. State of winter crops for More i in wanted in the Rajmohal sub division |
| RI | SSA | | | | | | |
| : 1 | 36 | Cuttack | Feb | 3, | '88 | 0 42 | We ther-for, morning forcy Reasons of sarad completed with the outton. Prices of food grams slightly lower. Common rice sells at seers per rup can lown. |
| 1 (| 84 | Pooree Khorda | " | 2, | '88 | 1 19 0 67 | Weather- seasonable Land is being ploughed Dalua (spinger to) is den- well Rubbi is being gathered Commonice 21 sees 13 bit acked rupee in the Sudd r sai division and 21 sees 1 chittack in the Kiorde su- division |
| , (| 40 | Balasore | " | 3, | '88 | 1 06 | we ther fair and cool Threshing of paddy and gathering f rable gon on Pressing of sugarcine continues Dalua rice d ing w li |
| H | ATC. | NAGPORE | | | | | |
| | Sout | h-West Frontier | Agend | y | | | |
| | 41 | Hazartbagh, | Feb | 3 | ⊬8 | Nıl | Weather—seasonable Recent ran has improved trospects of rubla crop probable cutturn from the to eight anness Sugreen has a full of Poppy doing well everywhere. Cases of cattle discuss on one to be reported. |
| 1 | 42 | Lonnidukan | • | 4, | '85 | Nil | Weather -clear Prospects of rubbi continue good Pressus before |
| | 48 | Singanoon | n | 3, | '98 | 0 68 | Weather - bright and seasonable Cotton doing well also the ridle crops of the ground, the late rain having benefited them. Running of superconalm st completed with g od outturn |
| | 44 | Manunoom | ,, | 1, | '88 | Nil | Weather-getting wirner but still cool and pleasant Sugarcine heing out with excellent curtuin. Prospects of rither and killer good. |

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 7th February 18×8

P. Nolan. Secy. to the Gut of Bengal.

| | | | | | STOCK | E | HAMD AS COUPILED OV- | | | | | | |
|---|---|--|---|---|---|---|---|---|---|---|---|--|--|
| NAMES OF MARTS | 1st week of Feb 1987 | of Mar 1987 | 1st week of April 13s7 | 1st week of Mav 1557 | 1st week of June 1857 | let week of July 1897 | let week of August 1%57 | 1st week of Sept 185 | Jat week of Oct 1847 | 1st week of Nov 1897 | of D c 1987 | 1st week of Jan 1858 | 1st week of Feb 1888 |
| | Mds | Mds | y ds | Mds | Mds | Mds | Mds | Mds | SE JA | Mds | Mds | S P M | Mds |
| Beliaghatta | 4 15 500 | 4,73 000 | 14.01 000 | 12 67 000 | 1 36 -01 | 7 61 000 | 00 64 9 | 5 51,040 | 5 13 0n0 | 0.099 \$ | 3 42.0.0 | 3 97 000 | 7 84 090 |
| Ooltadangs | 83 900 | 61 394 | 72,40r | JUB 49 | 436 0 | 73 000 | 53 6A | ((0.29 | NC1 29 | 906 S3 | cut of | 13 000 | 75 906 |
| Chitpore, Golabaree Coomer trolt, Hatkhola and Culpy 6hat | 7 68,730 | 5 82 700 | 7 47 1 Pr | 6 58 200 | 6,16 ເፀາ | 5 55 000 | 6 17 200 | 6 29 500 | 614,0 | 6 12 100 | 9.52 | 0 * 4.8 3 0 | 4 82.200 |
| Pathuriachatis, Posts and Jorabacen | 2,600 | 4 004 | \$ 200 | 5 010 | \$ 000 | 9 00v | 2 00) | 2 500 | \$ 900 | 4.000 | 5,000 | B,000 | 990 ♥ |
| Talltrunge, Chit'ah Kidderpore | 1 55,400 | 1,39,500 | 1,79 9.0 | 1 56 000 | 1,26 800 | 111 700 | 1 07 800 | 1 0-300 | 1 09 500 | 00\$ 66 | 88 100 | 1,20,730 | 1,47 600 |
| \$1 Minor Bazars (estimated) | 2 40 000 | 8,40 000 | 2 40 000 | 2.49 000 | 2,40,000 | 2,40 000 | 2.40 000 | 2 40,00 | 2 4u 000 | 2,40,60 | 2,40,000 | \$ 40,000 | 2,40 000 |
| Other retail shops 3,129 in number (estimated) | \$,50,000 | 8,50 000 | 5,50 000 | 2,50 000 | 3,50,000 | \$ 50,000 | 2.50 0 10 | ₹ 50 0 r | \$ 50 000 | 3 ×0 00r | 2 50,001 | 2 50,000 | 2 50 090 |
| Bondyabatty, Newahrunge Bhuddressur, and Changer- nagore. | 5,139 | 5,243 | 6,142 | 6,648 | 8,776 | 6,430 | 34 740 | 51 262 | 40 739 | 30 816 | 21,031 | 87 629 | 12 194 |
| Total | 18,99,639 | 17,55,743 | 25 01 748 | 26,49,648 | 23,29,475 | 20 % 130 | 19 77,940 | 17,98,81.2 | 14 36 559 | 1 68 016 | 16,44,3°1 | 16,98,129 | 19,95,894 |
| On Ballway premises on both aides of the river On boats u By Canal returns By Canal returns | 16 358 (on 546) Feb 1837) 81 461 (1st to 5rd Feb 1837) (1st to 3rd Feb 1887) | 17 853 (on 4th Mar 1847) 78 800 (lst to 3rd Mar 1887) 177 980 (1st to 3rd March 1887 | 9 833 (ms 4th April 1887) (184 to 3rd April 1887) 81 375 (184 to 3rd April 1887) | 12 914 Mry 18-5 (st to rd May 18-7) 88 233 (1st to 3rd May 18-7) May 18-7) | 9 454 June 57) 11 1 2 5 2 (1x t 2 1 1 June 185) 17 739 (1st to rd | (on 4th July 87) (lst tc 8th July 1887) (lst tc 8th July 1887) | 4244 (on 410 4urust 5, 1 73 950 (1st to 3rd August 1 1 1 2 1 4 (1st to rd 4ugus 1 1 5 7, | September 87) (set to 81d September 87) (set to 81d September 87) (set to 81d september 87) | (On 173 October 5") 13 499 (4th 70") Oct Ler 1857) (1st 1 3") Oct Jer 1857) | (on 4th Nov 1881) (184 to 374) Nov 1887) (184 to 374) (184 to 374) | (on 5th (on 5th (or 1 5th 4 th (or 1 3th De- 1957) 51 327 (1st to 3rd Lee 57) | 1, 026 (cn 4th January 89) 88, 4, 5 on 3rd to 5th January 88) 1 42 639 (1st to 8rd Jan 88) | 114 438 (cn 3rd Peb ~s.) 35 731 (1st to 3rd Feb 88) 2 13 833 (1st to 3rd Feb 1888) |
| Grand Total of Stocks | 21,42 559 | 29,29,619 | 50 47,857 | 27,17,307 | 23 ~5 550 | 20 85,287 | 20 59 908 | 19 21 318 | 19 99 367 | 1 42 468 | 17 45,648 | 19 40 659 | 23,06,916 |
| Probable stock available for exportation by sea. | 11 lakbs | 9å lakbs | 20 lakbs | 16t lakhs | 13‡ lakhs | 10° lakhs | 10glakhs | 6‡ lakhs | 8 lakbs | 8 lakhs | 74 taths | 94 lakhs | 124 lakhs |

Statistical Department, The 6th February 1888.

PRICES-OURRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 31st JANUARY 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

| _ | | | | | | | | | | | | QUANTIT | ES PER | RUPE | E IE |
|---------|--------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|-----------------------------------|-----------------|------------------------|------------------------------------|-----------------|---|-----------------|----------------------|------------------------------------|
| | | , | WRBAT | | В | ARLBY. | | Ric | R, BBOT | SORT. | Ric | св, сомнов. | Jowas (Sorg) | e on Cre tum Vulg | olum jare.) |
| Number. | DISTRICTS | Present return. | Nest preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | orrest uning return of last year. | Present return. | Vert preceding return. | Corresponding return of last year. | Present return. | Near preceding return orresponding return of last year. | Present return. | | Curresponding return of last year. |
| _ | BENGAL. | | | | | | | | | | | | | | |
| H | Feetern Dietricts. | e or | in M | . e Ch | ig Ch | B Chi | N Ch | .9. Ch | 8 Ch | 4. Un | 8. Ch | 8. Ch. 4. 4 | ыч. Съ | 8 Ch.,8 | Ch. |
| | | S. CB | S Ch | 9. Cii. | S. C. | 5. (u | | | | | | | | | |
| 1 | Burdwan . | 15 0 | 15 0 | 14 0 | | No s | ile | | 15 0 | 20 8 | 29 8 | 21 0 26 10 | | | ٠ |
| 2 | Bankoors . | 13 0 | 13 0 | 13 12 | 18 0 | 18 0 | | mer ses | 18 12 | 18 12 | CONTRACTOR | 20 0 23 7 | | | • |
| 8 | Peerbhoom | 15 0 | 15 0 | 19 8 | | | | 15 12 | | 18 0 | 91 0 | 21 0 25 8 | | " | • |
| 4 | Midnapore | 15 0 | 15 0 | 16 0 | " | • | ••• | 18 0 | 18 0 | 17 0 | 22 0 | 22 0 26 0 | | | ••• |
| • | Hooghly . | 14 0 | 14 0 | 14 0 | | *** | | 10 0 | | 10 0 | | | | | • |
| | Howrab | Not available | 13 8 le. | 14 0 | | | | 13 12 | 13 4 | 18 0 | 19 8 | 18 0 17 6 | | • 1 | • |
| 9 | Oentral Districts. | | | | | | | ä | v v | | i | | ř. | . 5 | |
| | Calcutta | 13 1 | 1 18 3 | 13 0 | 22 13 | 21 7 | 19 12 | 10 7 | 9 16 | 9 6 | 16 13 | 16 7 16 16 | 15 2 | 14 18 1 | 7 0 |
| e | 24-Pergunnaha | 16 (| 16 (| 16 0 | 22 8 | 22 8 | 21 4 | 8 0 | 8 0 | 8 0 | 18 4 | 18 . ^ 19-46 | ' | | |
| 7 | Nuddea | 16 (| 17 4 | 16 0 | 32 0 | 89 0 | 88 0 | 14 8 | 14 8 | 17 12 | 18 3 | 17 12 20 5 | " " | | •• |
| 8 | Khoolns . | - | | | | | A*31 | 18 0 | | 18 0 | | 23 0 21 (| | | - |
| 9 | Jessore | 13 | 18 4 | 16 0 | | | | 1 | inter our | 14 0 | | 22 0 21 0 | | | • |
| 1 | Moorshedsbad | | 16 8 | | | | | 3000 00 | 18 0 | 20 0 | 1 | 22 8 24 (| (88) | . | •• |
| 11 | Dinagepore | | 4 16 | | | | | | | 1 | | 23 8 21 4 | | " | ••• |
| 12 | Rajebabye | 17 | 18 (| 18 0 | 45 0 | 45 0 | 45 0 | 16 8 | 16 8 | 19 8 | 21 0 | 20 6 22 8 | · " | ·" \ | •• |
| 18 | Rungpore | j | | | | - | | | | ۳. | | " " | | | - |
| 14 | Bogta | 16 8 | 15 0 | 17 4 | | | | 15 0 | 15 0 | 16 8 | | 28 4 28 4 | | •• | • |
| 16 | Pubna | 19 8 | 18 0 | 19 8 | | | | 8 4 | | | | 22 14 25 6 | | * | ••• |
| 16 | Darjeeling | 10 0 | 10 0 | | 11 0 | | | | 5 0 | | | 12 0 14 0 | | •• | |
| | Julpigoree . | 18 | 13 5 | 11 8 | 2, 0 | 20 0 | 20 0 | 12 0 | 12 0 | 14 0 | 20 0 | 22 0 26 0 | " | | ••• |
| 1 | Castorn Districts. | | | | | | 1 | , | ĭ | Î | 1 | I I | -6 1 | 1 1 | |
| 18 | Daces | 1 | 0 18 (| | | | | | | | | 21 0 19 0 | | •• | - |
| 19 | Furreedpore | 18 | 0 14 (| 17 0 | 40 u | 40 0 | | | | | | 18 0 21 0 | | - | - |
| 20 | Backergunge | - | | | | | | | 1 | | | 21 0 18 0 | | - | ₹. |
| \$1 | Mymenengh | 19 (| 19 (| 12 0 | - | " | - | 19 0 | 12 0 | 12 0 | 18 8 | 18 12 18 0 | " | - | - . |

Return not received.

A In sub-divisions retail prices of salt per rupee were:—Culma and managerings 12 seers and Cutwa 12½ seers.

B At Bishenpore retail price of salt 10 seers per rupee.

C At Rampore Hat retail price of salt 12 seers per rupee.

D At Ghatal retail prices of salt 12 seers per rupee.

E In sub-divisions retail prices of salt per rupee were:—Berampore 12½ seers and Jehanabad 10½ seers.

E1 In sub-divisions retail prices of salt per rupee were:—Berampore 12½ seers, Bussirhat 13 seers, Diamend Harbers (at Kulpihat) 11 seers and Barrackpore 12½ seers.

F In sub-divisions retail prices of salt per rupee were:—Kooshtea 11½ seers, Meherpore 12 seers, Choosdanga 11 seers, and Ranaghat 10½ seers

C In sub-divisions rotail prices of salt per rupee were:—Satkhira 5 seers and Bagirhat 11 seems

Head-quarter station Bazars of the Districts of Bengal on the 31st January 1888.

WHOLESALE PRICES

| | | | | | | | PI | CR | MA | ALI | D | RIC)F | 168 40 | | an con | | AV I | ERA | GE | W A | GES | PER 1 | MON | тң | | | |
|---|-------------------|----|------------------------|----------------------|---------------|---|-----------------|-----|----|------------------------|-----|----------------------|---------------|---------------------|--------|------------------------|------|------------------------------------|---------------|-------------------|-------------------------|-------------------------|----------------|-----------------|---------------------------|---------------------------------------|---------------------------|
| 8 | | 8 | ALT | | | | | | 8. | LT. | | | | 1 | lon | LR-B ICUI | TUI | LAL | s | | OR II | | 1 | CAR | MON MA | RO. | |
| | Protent return. | | Next preceding return. | Corresponding ratura | of last year. | | Present return. | | | Next preceding return. | | 'orresponding return | of last year. | Dresent return | | Next preceding return. | | Corresponding return of last year. | | Present return. | Next preceding return. | Corresponding return | | Present seturn, | Next preceding return | Corresponding return of last year. | DISTRICTS. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | BENGAL. Western Destricts |
| | 8. Ch | | | | | 8 | | | | | 1 | 8 1 | | 8 | 1 | 8 0 | 1 | R. ▲. 3 O | 6 | 8 | 6 8 | 6 8 | 10 15 | n tn O | to 15 0 | Ra. A. 10 0 to 15 0 | Burdwan, |
| | n B | 12 | 0 | 12 | 8 | 8 | 8 | 0 | 8 | 3 | 0 | 8 3 | 0 | {5 {9 (4 | 01 | 6 0 to 0 4 0 |) a | | to 7 | | 5 0 to 8 0 | to 7 0 | 15 | 0 | 8 0 to 16 0 7 8 | 7 8 to 15 0 8 0 7 | Bankoora. |
| | 10 0 D | | | 13 | | | 8 | | | | | 8 2 | | { 8 t | 0 | g to |) e | to |) | Ú | 5 0 { | 6 o | 1 | to | to | to { | Beerbhoom. |
| | 18 0 E 10 8 | 1 | | 13 | | | 0 | | | | | 3 0 | | 6 | | 8 0 | | 8 8 | 8 0 | 0 | 6 0 5 0 | 5 0 | 10 | 0 | 9 0 10 0 | to 9 8 10 11 to } | Midnapose. |
| 8 | 10 10 | | | 13 | 0 | 3 | | 0 | | | | 3 2 | | £ 7 | 8 | 7 E | 7 | 8 | 7 | 0 | 7 0 | 7 0 | 12 12 | 0 | 20 0 12 0 to | 20 0) 12 0 } to } | Howrah. |
| | | | | | | | | | | | | | - 1 | (15 | 0,1 | 5 (| 116 | 5 c) | | | | | 25 | U | · come | 25 0) | Central Districts. |
| 200000000000000000000000000000000000000 | 11 9 | 12 | 11 | 13 | 0 | 3 | 1 | 9 | 2 | 14 | 8 | 3 (| 0 | 12 | 0 1 | 2 | 5 1 | 2 0 | 7 | 0 | 7 0 | 7 0 | 15 to | %} | 15 0 | 15 0 | 200 |
| Section 1 | E1 11 0 | 12 | 8 | 12 | 8 | 3 | 7 | 0 | 3 | 0 76% | 0 | 3 (|) υ | 10 | 8 1 | 0 (| 0 1 | 0 8 | 6 | 0 | 6 0 | 6 0 | 15 20 7 | to O | 15 0 to 20 0 7 8 | 15 0) to 20 0) 7 8) | 34-Pergunnaha. |
| CANADA NO | 9 s G | 11 | 101 | | | | 12 | | | | | 3 (| Į. | | | 8 (9 (| | 8 0 8 n | | | 6 0 6 0 | 6 0 | 3 | to 5 0 | to 15 0 10 0 | 16 0) 16 0) | Nuddea. |
| | 9 0 H | 10 | 12 | 10 | 4000 | | 12 | | 3 | 4 | 0 | 3 12 3 3 | | 194 | 01 | 5 (7 E | | 2 o 7 8 | 8 | 0 0 0 to | 8 6 8 0 to } | 8 0 8 0 | 18 | | 16 0 | t, 15 0 | Khootna. |
| | 1 8 | 1 | 8 | 12 | | | 12 | 0 | 8 | 8 | U | 3 6 | | 1 | | 5 C | 1 | 5 0 | 1 (7 | 0 | 7 0 S 6 0 6 0 | 5 0 | 7 | 8 | 7 8 | 7 8 10 0 Y | Moorshedahad. |
| | 10 (· | 12 | | | 0 | 4 | 0 | | 3 | 702.0 | | 3 4 | | , 5 | 0 | 7 E | 4 | 8 | 8 | 0 | to 8 0 5 0 | 8 0 6 0 | 15 | to 0 0 | to (5 0 10 0 | to 15 0 } | Dinagepore. |
| | 9 9 | | | 12 | | | 18 | | | 1 | • | 3 2 | | {β ^t | | to 7 0 | 6 | to 0 | g to | 0 | 8 O | to 6 0 | | υ | 14 0 | to 1• 0 } | Rejshahye. |
| | 9 12 | 10 | | 10 | | | 10 | 8 | | | 4 5 | 5 6 | | {7, to | | B O | 6 | to | 6 to | 0 | 5 0 to | 5 0 to | 10 | | 10 0 to | 10 0 } | Hogra. |
| | 10 0 | 19 | 0 | 12 | 0 | 4 | 0 | 0 | 8 | 5 | 0 8 | ı E | 5 | (7 {8 10 7 | 0 6 | 7 8 3 0 to | 1 5 | to 0 | e to | 1 | 7 0 5 0 to 6 0 | 7 8 5 0 to 8 0 | 12 12 | 0 | 12 0 | 22 0) 12 0 } to } | Pubua |
| | 9 0 | 9 | 0 | 9 | 0 | 4 | 4 | 0 | 4 | 4 | 0 4 | 4 | o | 6 (| | | 10 | 7 0 to 8 8 | 10 7 to | 8 | 7 8 to 9 () | 8 U | 20 12 te | 0 | 12 0 to | 18 0) 16 0 to 25 0 | Darjeeling. |
| - | 9 °0 | 12 | 0 | 11 | C | 4 | 0 | 0 | 8 | 4 | 0 8 | в | o | 6 (| 7 | 8 | 1 | | 7 | 0 | 8 0 | 7 0 } | | 0 | | to { | Julpigoree. |
| 1 | M 18 8 | 19 | 8 | 10 | 8 | 8 | 8 | ol | 8 | 8 | 0 8 | 8 | 0 | (B (C | 5 | , 8 to | , 6 | to 0 | 5 to | 0 |] 80 | { 5 n | 9 40 | 0 | 8 0 to | | Bastern Districts. |
| 1 | | 19 | | | | | 1 | - 1 | | | 1 | | - 1: | | - 1 | | 1 | | 1 | - 1: | 7 0 | 7 0} | to | 0 1 | 10 | to | Fur ce pore |
| | N o | 18 | 0 | 11 | 8 | 8 | 10 | 0 | 8 | 1 (| 8 | в | 0 | 8 0 | 8 | 0 | 8 | C | 8 (| 0 | | 7 0 | TO . | | | 0 | Backergunge. |
| | 0 | 18 | 0 | 11 | 8 | 8 | 10 | U | 8 | 4 (| 3 | 6 | 0 | to | 0 10 | to | | 0 | 8 (7 (| | 6 U 10 7 U | R u | 12 (| 1 115 | to 12 | 1 (1) | iymenengs. |

In sub-divisions retail prices of salt per rupes were:—Liabagh 12 seers, Jungipore 13 seers and Bongong 11 seers.

In sub-divisions retail prices of salt per rupes were:—Liabagh 12 seers, Jungipore 13 seers and Kandi 12 seers.

At Saragunge retail price of salt 11 seers per rupes.

At Fallacetts in Alipore sub-division retail price of salt 10 seers per rupes.

At Fallacetts in Alipore sub-division retail price of salt per rupes were:—Munickgunge 8 seers, Moonsheegunge 10 seers.

In sub-divisions retail prices of salt per rupes were:—Fatuakhali 3 seers, Per zepore 9 seers and Bhola 10 seers.

In sub-divisions retail prices of salt per rupes were:—Attas 12 seers, Jam spore and Sherpore 10 seers, Netro kona 10 seers and Thorowange 12 seers, Netro kona 10 seers and Thorowange 12 seers.

PRICES-CURRENT (retail) of Food-orains. Firewood and Salt in the Head-quarter

| | | | | | | | | QUAN'TITI | ES PER RUPPE IN |
|--------|----------------------------|------------------|-----------------------|-----------------|-----------------------|---|---------------|---|--|
| | | - | WHEAT | 1 | BARIKY | Rich, Bust Son | r. Rio | R, COMMON. | loway on Cholum (Sorghum Vulgare,) |
| Numbre | DISTRICTS. | Procent ret irc. | Next preceding return | Present return. | Vert proceding return | Fresent return vext precedin g return. | of last year. | Next preceding return. Co responding return of last year. | Present return. Next preceding return. ("biffespinding return of last year |
| Rad | stern Districts—c | ncluded | | | | 20 20 | | | |
| | | - Ch. | 8. Ch 8 C | ch S Oh | S Ch S. Ch. | 8. Cb. 3. 11b 8. | Ch. S. Ci | s. Ch S. Ch | S Ch S. Ch 4. Ch. |
| 22 | Chittagong . | 10 15 | 11 0 18 | 0 . | | 15 D 18 D 19 | 0 18 15 | 19 6 19 1 | |
| 28 | Noakholly | ' | , | • | . | 20 0 21 0 21 | 0 22 0 | 22 0 25 0 | |
| 24 | Tipperab | 13 8 | 13 8 11 | в . | | 17 % 17 B 20 | 26 4 | 26 4 22 0 | |
| 23 | Chittagong Hill Tracts. | 12 0 | 12 0 12 | υ | | 14 81 14 81 15 18 0 16 0 16 | 1 | s been non parament | |
| | Hill Tipperab | 12 0 | 12 0 12 | ٠, ٠ | 1 1 | 110 0 10 0 10 | 0 27 0 | 7 20 0 20 0 | |
| | BEHAR. | 17 0 | 17 0 20 | 0 80 0 | 98 0 84 0 | 11 8 11 8 1 | 8 22 (| م داه ما | 26 0 98 8 26 0 |
| 26 | Patna | 100000 1000 | | | | | | | |
| 27 | Gya . | 13 4 | 13 4 16 | 0 24 0 | 24 0 32 0 | 10 0 10 0 1: | | | |
| 28 | Shahabad . | 12 12 | 13 8 15 | 0 24 0 | 21 4 30 0 | 12 8 9 8 10 | 0 17 £ | 17 8 18 0 | 22 6 40 0 |
| 29 | Durbhanga . | 16 7 | 16 7 19 | 0 38 7 | 35 0 33 0 | 11 0 14 4 14 | 0 20 13 | 20 12 21 2 | |
| 80 | Mosufferpore . | 13 0 | 15 0 19 | 0 30 0 | 29 0 30 0 | 12 0 12 0 15 | 0 250 | 20 0 21 0 | . . |
| 81 | Saras . | 14 8 | 14 8 15 | 0 21 8 | 25 0 31 '0 | 8 8 8 8 | 0 19 8 | 19 8 22 0 | |
| 82 | Clumparun . | 18 0 | 11 0 21 | 0 32 0 | 31 10 41 0 | 12 0 13 0 | 19 0 | 20 0 20 0 | |
| 88 | Mongnyr . | 16 13 | 16 12 16 | 13 25 4 | 25 8 33 8 | 13 14 13 15 16 | 0 17 13 | 18 6 20 0 | |
| 84 | Hhagulpore . | 15 2 | 15 2 16 | 6 25 4 | 25 4 25 5 | 16 6 12 10 18 | 4 18 1 | 5 16 6 21 7 | |
| 85 | Purneab . | 19 0 | 18 0 20 | 0 40 0 | 33 0 | 2) 0 19 0 23 | 0 21 0 | 24 0 28 0 | _ |
| 86 | Maldab . | 18 0 | 18 8 14 | م | | 12 0 16 0 16 | 0 22 0 | 22 0 24 0 | _ |
| 87 | Southal Perghs. | 12 0 | 11 0 14 | a | | 18 0 16 0 20 | 0 29 0 | 20 0 28 0 | . _ |
| | ORISSA. | | 1 | | | 1 1 1 | 1 | 1 1 | 1 1 |
| 88 | Cuttack | 15 12 | 17 11. | | | 13 2 10 8 11 | 13 19 11 | 21 0 21 0 | |
| 89 | Pooree | 14 7 | 14 7 18 | 2 | | 15 19 11 13 17 | 1 23 10 | 22 5 23 10 | |
| 40. | Balanore | 15 0 | 15 0 16 | 0 18 0 | 18 0 18 0 | 15 0 13 0 18 | 0 24 0 | 23 0 24 0 | |
| s | CHOTA NAG | | (2) | | | v s s | | | 25 (10) D |
| 61 | Hazar chagh | 10 0 | 11 0 18 | 0 20 0 | 29 0 22 0 | 9 8 10 0 1 | 1 0 16 | 1.6 4 22 0 | Not pregrable. |
| 18 | Lohardugga | 12 0 | 12 U 18 | o No | 20 0 18 0 | 16 8 16 0 2 | 0 0, 19 0 | 19 0 24 0 | |
| ex. | Singbhoom | 12 0 | 16 0 | 26 0 | 24 0 24 0 | 19 0 16 0 2 | 3 0 20 0 | 22 0 82 0 | |
| 44 | Manbhoom | 12 0 | 18 0 16 | 0 34 0 | 34 0 | 19 0 20 0 18 | 0. 22 0 | 0 88 0 88 | |
| _ | | | | | | | | | |

Published for general information.

P At Cox's Bazar retail price of salt 11 seers per rupes.
At lanchgachia in Fenny sub-division retail price of salt 8 seers per rupes.
In Sasseram, Bhabhah and Buxar sub-divisions retail prices of salt 11 seers per rupes.
In Madhubam and Lappus sub divisions retail price of salt 10 assess per rupes.
At Happose retail price of salt 10 seers per rupes.
U At nottab retail price of salt 11 seers per rupes.

Station Bazars of the Districts of Bengal on the 31st Janua y 1888 -(concluded.)

| | | | | | | | | M | KE KE | ND | | | | | 200 | | 1 | √E | RA | GE | w | AGE | 8 P | KR | MO. | 17 % | I | | | | |
|--------------------------------|--|---|--|---|---------------|---|---------------------------------------|-----------------|--|-------------|---------------|--|-----------------------|--|---|---|---|-------------------------------------|--|---|---|--|---|--|---|---|--|---|--|---|---|
| | 8.1 | T | | | | | | s | a di | | | | | 1 | Agn | 1161 | | URA URA | | s | TC | K K F | | | | (AR | MON LINI LACK | KR | 01 | | |
| Present return. | New Action of the Parket | danial Marganata in the | Corresponding return | of list year. | | Present return | | | Vert preceding return | | | of 'ast year. | | Descent actor | Tesent return | | Next preceding return | (ciresponding return | of last vean | Present return | a leasent telegra | Next preceding return | | Corresponding return | | Present return | | Nest preceding reful | creety ing rathm | Cf 181 1-11 | DISTRICTS |
| | | ٠ | _ | | | | | | | | | | erro. | _ | | | | | | 4-2 | | | | ••• | | | | | | | riota—concluded |
| P | 11 9 11 8 | 0 0 8 0 | 12 | 0 | 3 | Э | (| 3 | 4 12 5 8 | 0 | 3 | 2 | 0 | 10 { ⁷ | 8 to 0 0 | { 1 7 + 8 6 9 9 | to 11 (0 0 0 0 5 (0 to | 9 t 11 7 10 6 t | 0 0 0 0 0 0 0 0 0 | } ₅ 7 8 N | 8 0 0 | 7 to 7 to 7 to 7 | 0 0 0 | 7 (b (b (b (b (b (b (b (b (b (b (b (b (b | 9 9 12 7 7 12 12 12 12 12 12 12 12 12 12 12 12 12 | 10 8 0 10 0 0 | 15 7 t | 0,000,0 | 7 12 7 15 6 6 | , 0 } , 0 } , 0 } | Noakholly Lipperah Chittagong Hil Fracts Hill Tipperah BEHAR. |
| | 12 13 12 12 11 13 12 11 11 | 0 0 0 0 0 0 0 8 8 | 12 12 12 12 12 10 12 | 0 0 0 0 0 0 9 10 8 0 | 3 3 3 3 4 3 4 | 0 0 4, 11 10 12 5 8 0 | , , , , , , , , , , , , , , , , , , , | 3 3 3 3 3 3 3 3 | 5 3 4 3 5 14 2 3 5 | 6 6 0 6 6 6 | 3 3 3 3 3 3 3 | 5 0 4 2 2 2 1 10 4 | 0 0 0 0 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | t, 6 8 to 0 0 to 12 to 10 11 to 10 0 12 | 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 8 to 0 0 12 to 0 0 12 to 0 11 to 0 11 11 11 to 0 11 11 11 to 0 11 | 5 2 1 5 3 t 4 3 1 6 4 t 5 5 4 5 5 3 | 0 0 12 0 9 8 12 8 0 0 11 11 10 10 10 | 5 4 to 5 | 0 | 5 (1 to 5 (1 t | 5 | 5 (1 to 5 (2 t | 0 8 8 8 8 8 8 8 8 8 | 7 8 to 8 0 to 9 to 4 0 0 0 to 1 8 0 1 | 8 6 t 7 3 tc 8 8 6 tc 10 7 5 tc 12 6 tc 12 7 tc 10 7 tc 10 9 | 0 | 6 to 8 to 8 to 7 to 6 to 7 to 6 to 7 to 6 to 7 to 6 to 7 to 6 to 6 | 8 8 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | Gya |
| 9 0 10 8 21 9 0 | 14 13 10 | 2 8 | 14 14 10 | 0 7 0 | 3 | 0 8 2 | 0 | 2 8 | 12 12 6 | 0 | 2 : | 12 10 10 | 0 | 5 1 8 6 7 | 0 10 to | 6 5 to 7 | 0 10 8 | 6 to 7 | 0 0 8 | 4 5 to | 0 0 | 4 0 5 0 4 0 to | | 10 (5 0 { 4 0 5 0 | 10 8 10 7 t 9 | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 7 to 10 to 10 to 10 7 to 20 9 | 0 1 0 1 8 | 7 8 0 0 0 to 0 7 8 to 9 0 | } } | Cattage Pootee Balanore NAGPORR |
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In sub-divisions retail prices of salt per rupee were:—Begusera: 10 seers and Jamu: 97 seers.

In Banks, studehpoors and Scopbol sub-d visions retail price of salt 11 seers per rupee.

At Kishengunge retail price of salt 10 seers per rupee.

Linusch-divisious retail prices of salt per rupee were:—Deoghur and Godda 10 seers, Bajmehal 12 seers and Pakour 11 seers.

The direct retail price of salt 10 seers per rupee.

The direct retail price of salt 10 seers per rupee.

The direct retail price of salt 11 seers per rupee.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in th

| | | | | | Wı | ASE | 7. | | | | | | 5 | BAR | LRI | | | | | | ł | tica | , в | 87 | 803 | ET. | | | | | Ri | OB, | 003 | EM O | 5. | | |
|---|----------------------------|---|-----------------|---|----|------------------------|----|---|----------------------|----------------|---|-----------------|----|-----|------------------------|----|----------------------|---------------|----|----|-----------------|------|-----|-----------------------|-----|--------------------------|--------------|---|-----|-----------------|----|-----|------------------------|------|----|---------------|--------|
| | MARTS. | | Present return. | | | Next preceding return. | | | Corresponding return | or ingle year. | | Present return. | | | Next preceding return. | | Corresponding return | of last year. | | | Present return. | | | Next preceding return | | C. records ding solution | of ast year. | | | Present return. | | | Next preceding return. | | : | of last verr. | |
| | | ĸ | A | P | к | | P. | K | | P | R | | P. | R | | γ. | ĸ. | • | P. | k. | ٨. | • | R | | р. | 1., | 4 | P | t. | ٨. | P. | k | | P. | k | . 4. | 1 |
|) | Caloutta . | 2 | 13 | 5 | 2 | 12 | в | 3 | 15 | Ð | 1 | 7 | 7 | 1 | 8 | 1 | 1 | 4 | 0 | 3 | 11 | 3 | 3 | 10 | 4 | 3 | 8 | 6 | 2 | 2 | 1 | 3 | 2 | 5 | 1 | 15 | |
| 3 | Serajgunge | 3 | 4 | 0 | 2 | 4 | 0 | | | | | | | | | | | | | 3 | 6 | υ | 3 | в | 0 | 3 | 14 | 0 | . 1 | 14 | U | 1 | 14 | 0 | 2 | 0 | |
| 3 | Dacca | 2 | в | 0 | 2 | 6 | 0 | 2 | Б | ø | 1 | S | 0 | 1 | 8 | n | 1 | 8 | 0 | 2 | 3 | U | 2 | 3 | 0 | 2 | 6 | 0 | 1 | 14 | 0 | 1 | 14 | 0 | 9 | 0 | |
| 4 | Narainging. | | | | | | | | | 81 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 5 | Chittagong | 3 | 10 | 0 | 3 | 6 | 0 | 2 | в | 9 | | | | | | | | ••• | | 2 | 10 | 0 | 2 | 10 | 0 | 2 | 12 | o | 2 | 2 | 0 | 2 | 0 | 0 | 2 | 0 | |
| 6 | Patns (Mun surgunge and | 2 | 3 | в | 2 | 5 | 6 | 1 | 13 | 0 | 1 | 4 | 6 | 1 | в | 6 | 1 | 2 | 6 | 3 | 0 | o | 3 | 0 | υ | 3 | 6 | 0 | ì | 12 | 0 | 1 | 13 | 0 | 1 | 11 | 112012 |
| , | Maroofgunge). Baissors | 2 | 10 | D | 2 | 10 | υ | 2 | 4 | 0 | 8 | 0 | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 2 | 8 | U | 3 | 0 | U | 3 | 0 | 0 | 1 | 10 | 0 | 1 | 10 | 0 | 1 | 8 | Ě |
| 8 | Pooree | | ** | | | • | | | | s / | | | | | • | | | • | | | •• | | 3 | | | | | | 1 | 8 | 0 | 1 | 11 | 0 | 1 | 8 | |
| 9 | Cuttack | 2 | 5 | 0 | 2 | 2 | 0 | 3 | 4 | 0 | | | | | | | | | | 3 | 0 | 0 | 3 | 10 | U | 3 | 4 | 0 | 2 | 0 | O | 1 | 11 | 0 | 1 | 11 | |

* Return not received.

CALCUTTA,
The 7th February 1888.

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indermentioned Marts of Bengal on the 31st January 1888.

| AT | A | LA | Y (| R | tin | N. | GA | ۸, | | In | 10 | | | | Ma | | M & | 17 | R | | | | | DJ A | N | PR | HU A us | m-0 .: | ı | | | ŀ | l R J | w | on | | | ĺ | | | | , | l T | | | | | | |
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| | 1 | | ĸ | 4 | P | 1 | | 4 | P | ĸ | ٨ | P | | 1. | 4 | P | R | ٨ | F | . | ĸ | 4 | P | R | 4 | P | * | 4 | . P | 1 | ٠. | P | R | A | P | 1 | | P | ĸ | | t | ı. | | 1 | 16 | Ā | p | | 1 |
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| | | | | | | | | | | | | | | | ٠ | | | | | | | | 200 | | | | | | | i | | | | | | | | | | | | | | | | | | Narai | ne at 8 |
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| | • | | | | | | | | | | | | | | ٠ | | | | | | | | | | | | | | | | | | | | | | ٠ | | 3 | 8 | 0 | 2 | 12 | 0 | 2 | 10 | | Poore | ı. |
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Published for general information.

P Nolan, Secy to the Govt of Bengal.

Meteorological Report of the Province

| 1 | | | - | | | | | | 81 | ATION | OBSE | RVAT | ions. | | • | | |
|-----------------------------|-------------|--|-----------------|-----------------|----------------|---------------------|-----------------|----------------|----------------|----------------|---------------|--------------|--------------|--------------|--------------------------------|--------------------------|-------------|
| | | | | IR PRES | SURE. | W | IND. | 1 | | | | | Тими | RRATUR | B. | | |
| DI | STRICT | Representative station. | Mear benometric | Mean reduced to | Variation from | Prevailing direc- | Mean wind velo- | Highest during | Nevek. | Date. | Lewest during | | Date. | Mean maximum | Mean minimum temperature of | week. Mean daily tem- | perature of |
| Pooree | | Gopulpore | 30'07 | 80 120 | 4 '08: | Calm | 134 | 80 | 0.7 2 | 8th Jun | . 6. | 9 318 | t Jan | . 767 | 1 | 1 | 71 |
| | 70 | False Point | 30.11 | 80.11 | +.024 | NNE | 171 | 78 | 8.4 ; | ord Feb | 53 | 0 31 | ι ., | 74.0 | 50 | 2 | 66 |
| Cuttack | | Cuttack | 1 | | 1 355 | NE | 38 | 80 | 5°4 2 | ind | bd. | 8 31x | t ., | 79.0 | C n | 7 | 70 |
| Balasore | t Midnapore | Balasore | 20.056 | 30.160 | 1.076 | NW | 93 | 2 70 | 13 2 | nd. 3rd Feb | | 5 318 | ٠, | 76'0 | 56 | 3 | GG |
| - Personal State Service by | orgunnahs | Saugor Island | 30:128 | 30 153 | + '068 | N N | 213 | 77 | 7 3 | ird ,, | 51 | 2 301 | h ,, | 72.8 | 56 | , | G4 |
| Midnapore | | Midnapore | 30.025 | 30.180 | + '078 | N N | 78: | 5 91 | 3 3 | | 1 | | 50 61 | | | 1 | |
| 24-Perguni | 5959 22 | | | | | 1 | 1 | | ., | rd " | 50 | 2 361) | h ,, | 75 2 | 24. | ١. | G1 |
| Howrah | | Calcutta | 30.120 | 36*155 | + 2073 | Northerly | y 51 | 76 | 3 3 | rd " | 18 | 3 3181 | la es | 71'4 | 63. | | C2. |
| Hooghly | | | | | | | | | | 2.55 | | 13715 | | | | | 0. |
| Burdwan | | Burdwan | 30.0% | 30-127 | + 074 | North- westerly. | 4670 | 77 | 7 3 | rd " | 47 | 3 30tl | ٠., | 79.0 | 51.8 | 1 | 62 |
| Bankeers | | Bankoora . | 50.803 | | | NW | 29 | 75 | 6 31 | rd ,, | 40 | 5 3!st | ,, | 6974 | 53.5 | | 613 |
| Reerbhoom | i | Rancegunge | 29 819 | 30:145 | + 081 | Westerly | 82.0 | 7:- | .j gr | d | 47: | 2 30th | | 73'4 | 51.2 | ١. | UZ" |
| West Burd | | Berhampore | 30 001 | 30 161 | + 051 | | 501 | ١ | | | | 1.1.1.1 | ,, | 1,0.1 | 01.2 | | Ju 1 |
| Moorshedu) Nuddes | ba | Krishunghur | 30'070 | 30/130 | - 05. | Westerly. | 63.5 | | 01 | | 453 | | ** | 72 93 | 49.1 | 6 | 11 : |
| Jessore |) | | | | | NNW | | 761 | 3r | d Peh. | 45 : | 30th | " | 71.4 | 492 | 6 | :.00 |
| Khoolns | <u></u>) | Jessore | 80.316 | 30*151 | 1 '075 | N.M. | 50.8 | 777 | 7 3r | d " | 46.1 | list | " | 7370 | 51.9 | 6 | 12.5 |
| Chittagong | | Chittagong . | 30-032 | 30-127 | + 057 | NE | 45 | 77 1 | I an | ď | 49.7 | alst | | 72'5 | 5,1 | | |
| Chittagong l | Hill Tracts | Demagiri | | | | Ob | servatio | ns no | | a | | 1 | " | | 0,1 | 6 | 3.3 |
| Backergung | • | Barrisal | 30'112 | 30 125 | + 080 | N | 99 N | 75'8 | and the second | | 47.6 | 3 | -,- | 70'9 | 53 2 | 6: | 2-1 |
| Noakholly | | Noakhelly | 36.011 | 30059 | 4 '069 | NNE | 8313 | 75.7 | 3rd | | 45.2 | 3151 | | 71.8 | 51.0 | | 14 |
| Furreedpore | | Furreedpore . | 30.108 | 30 150 | 1 089 | N | 19 | 73:7 | 3rd | ١ ا | 42.0 | 31st | ,, | 69.5 | 49°3 | | 9 1 |
| Daces | | Dacca | 301 7 | 50.130 | + '070 | w | 62 | 771 | 3rd | | 48.1 | Sofh, | 21.4 | 73 6 | | | |
| Commillah | | Cotomilluli | 30°08: | .0120- | + '073 | N | 31.7 | 77.4 | 3rd | . " | 461 | lst | Jan. Feb. | 72'9 | 50'9 | 62 | |
| Iymensingh | 3 | lymensingh | 801077 | 30 137 | + '066 | Е | 5078 | 75'2 | 3rd | | 43°G | | Jan. | 68.1 | 49 0 | G1. | |
| Bogra | 1 | Bogra | 300011 | 30,110 | | w | 47.6 | 75'3 | ard | | H 3 | 3 du | 1,, | 70% | 47:0 | 59 | |
| ubna | s | sunkt | | 30132 | 1.020 | W | 41.7 | 75.4 | 3rd | | 41.0 | 30th | | 71:0 | 47'3 | 59 | |
| lajshahye | | leah. | | | + '001 | 8 W | 63.2 | 74 - | 3rd | | 41.7 | 31st | ., | 69 5 | 45.7 | 57 | ď |
| laldab | / | laidah | 30'05 1: | - | | NW | 70.6 | 75'9 | 3rd | | 3919 | 31st | ,, | 71.7 | 44'5 | 58 | 1 |
| inagepore | L | unagepore : | 201:07 | 30 121 | + '076 | sw | 68 | 75 (| 3rd | | 41.4 | 31st | ., | 71:0 | 45:3 | 58 | |
| ungpore | R | ungpore | 50000 | 30 121 | T 080 | Calm | 303 | 73°8 | 3rd | | 40'8 | Sist | " | 20.4 | 452 | 57 | |
| ulpigores |) | ulpigoree 2 | 97813 | se:150 . | + -117 | NE | 1774 | 72'9 | | | | and . | | | | | |
| ooch Behar |) | | | | | .,, | | 12 | 3rd | " | 43.2 | 301h | 30 | 69-1 | 18.7 | 58 | 10 |
| rjeeling Hil | - | urjeelingt " | 2.302 | - - | + .039 | Cnlm | 52.3 | 4 '3 | 20th | Jan. | 27.9 | 29th | | 37-3 | 30.1 | 33 8 | 9 |
| irneah orth Bhaguli | } Pi | urneah 38 | 0.028 | 0 162 | -100 | N W | 63.9 | 73'7 | 3rd | Feb. | 40.9 | 30th, . | 31st | 69.7. | 43.7 | 56-0 | |
| ozufferpore | | ozufferpore | | | | CAL NO | rvatio | | | | | | lun. | | | 00 0 | 1 |
| rbhunga | | | 195. 3 | 0.167 | - 1008 | 155 | 112 | 08.8 | pande | đ. | | | | | | | |
| штрагип | 1,200 | 10 May 12 | 1890 3 | | | presentation (| 160'0 | 72'0 | 3rd | | - 1 | 30th 31nt | " | 65.7 | 49.7 | 57.7 | |
| rus | cı | 1upra 2: | C940* 3 | C119* 4 | - 073 | wsw | 118-1 | 75.0 | 2nd 3rd | " | 70000 | 30th | " | 68.2 | 44'4 | 56.2 | 1 |
| | (De | ·hree 22 | 795 3 | # 177 + | 1034 | WNW : | 200'2 | 75.5 | 3rd | " | | arth | " | 86'8 | 50.7 | 58-2 | 1 |
| badada | { Br | 1X1LT 20 | 1923 | 0°150 + | 10.3 | WNW . | 191.0 | 74'4 | 3rd | . | | luth | | 68.2 | 47.3 | 58'8 | |
| | 1 | never series | Nestron 17 | | .000 N | , sw | 7.0 | 74'3 | 3rd | ,, | 43-9 2 | eth to | lst | 68.5 | 47.2 | 57.7 | 1 |
| 1 | (iy | | | | | | 60.8 | 76.3 | 3rd | ,, | 47'3 3 | | un. | 70'0 | 50.5 | 60.3 | 1 |
| ins ith Bhagulp | | akipore 29 | 810 20 | r171 + | 1078 | W | 76'2 | 74'8 | 3rd | | 43.0 2 | | ist in. | 68.8 | 47 4 | 57 9 | |
| nghyr nghyr | Bh | agulpore 25 | 982 30 | 1162 + | '087 | w | 71°u | 184 | oth 1 | lan. | 42 0 3 | nel. | 1 | 74.4 | 46.9 | 90 6 | |
| nthal Pergun | con ben | omka 29 | 626 | - . | 110 | NW | 79-7 | | | | | | | | | 000 | 1 |
| zaribugh | 1 | | | 100 | | | 204.5 | | Colone. | 3rd Feb. | | | 0 | George P | 48.3 | 59.7 | |
| nerduggs | | | | | | N W | | | 8rd | " | *2 U 8 | oth | " | 86.8 | 40 8 | 96.4 | |
| nbhoom | j Kn | nchee 27 | 940 30 | 157 + | 085 1 | NW 1 | 34'3 | 76.4 | 2nd | | 43.8 2 | nh , | . | 68 8 | 47'4 | 68'1 | |
| moonds | Chy | rebassa 297 | 140 - | 1 | U59 1 | NE | 19:0 | 80.0 | 2nd | ,, | 1 | | 1 | | 400 | - 1 | 1 |

*Means for 6 days.

*Means for 6 days.

The humairy.—The normal means of air pressure and temperature are the artumetical average or means of the reading during the same period for the humairy of the atmosphere is expressed as percentage, saturated sir being represented by 100. A clear say is denoted by 2 and an orecost are the numerical means or average of the ramfall in that district describing from the returns sent in by the sub-divisional station for the period in angular district sending in returns divided by the number of stations. A same day is one on which at least handredth of an inch that

for the week ending Friday, the 3rd of February 1888

| | | | | - | _ | | 71/2 | RICT O | BSERVATI | 088 | | | | | | |
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| | d am | Ranfall of week | O.F | WEFE. | Since | e 1st of Ju | num v | Sin | ec 15th Ma | y 159 | Ι, | 2.4 | Rem s ntative | DISTRI | т | |
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| 0 | 0 | Nıl | Nil | 0 14 | 0.05 | 0 40 | -0.43 | 60 53 | 57 25 | 41.8 | 0.0 | 0 1 | bogra | Rogra | | |
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| ı | 07 | 0 01 | Nil | 0 16 | 0 05 | 0 67 | 0.6. | 49 63 | 64 31 | -411 | 0.0 | 0.4 | Lampore Braut h | Rijshihye | | |
| 6 | 10 | Nil | Nil | 0 15 | 0 07 | 0 61 | -0 54 | 46 68 | 55 00 | -837 | 00 | 0.4 | Maldth | Malanes | | |
| 3 | 19 | Nil | Nıl | 0.06 | 0 09 | 0 55 | -035 | 69 15 | 56 19 | 112.96 | 0.0 | 0.3 | Dinage pero . | Dunage pore | | - |
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|) | 3 4 | 0 15 | 0.50 | 0 09 | 0.21 | : 41 | +0 07 | 117 91 | 110.65 | +7 31 | 1.2 | 0.3 | C. C. A | Cook Behar | | 1 |
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| 1 | 13 | NI | Nat | 0 12 | 0 27 | 0 59 | -032 | 65.31 | 58 13 | 4718 | 0.0 | ٧. | | North Bhagulpo | | |
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| 1 | 1'6 | Nil | Nil | 0*19 | 1 19 | 0 68 | +0 58 | 45 53 | 47 65 | -2.02 | 60 | 08 | danch . { | Manbhoom | | ľ |
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Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of February 1888.

| And Common desire | ·- === | | | | - | - LAINFAI | ı | ***** | | Io | | | | | |
|--------------------------|--------------------------|---|------------------------------|-------------|----------|--------------|-----------|-------------|-----------|--|--|---|--|--|---|
| Mateorological division. | District | Station | Line Sta | 1 A . 7 - 1 | I rite » | I t san 3 st | 7 1 1 1 1 | H reday 2ml | Ur lav rd | , m # 01 | Ratfoll of | T stal ruin in listing 1st et running | Average terd rain tall from 1st of Japuary | Total rain- tall since 15th May 1857 | Average rainfeli from 15th May 1887 to date |
| ORIBSA | Potes | Poores Khurdsh Runj it Lulse Leint G p Pij Is | 1 17 (0 0 h | | | | | 1 | | 1 1 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N | 1 1 7 0 sn Nil 1 1 Nil N | 11) 017 0 0 371 1 14 0 4 | 0 53 0 3, 0 08 0 49 9 | 31 60 31 11 31 20 68 77 29 81 | 52 28 67 78 51 73 64 47 |
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| SOUTH-WEST BENGAL. | Midnapore | Control Sauge: Island Lam () Midnig to Ghalt I Koke dotty Herry Bhane impore Garbet 4 | t 10 | | | ĺ | | | | Nil 1 Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil | Nil 0 10 Nil N l 0 00 Nil Nil Nil | 0 30 0 51 0 53 0 54 0 7 1 01 0 17 | 0 90 0 68 0 63 0 63 0 45 7 7 | 4) 18 70 93 50 63 47 10 50 20 52 00 41 35 | 62 12 67 09 51 29 10 '4 51 . |
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| | H south 3 | Srum it | | | 1 | | | | 2 | \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | Nil NI NI | 10, 10, | 0.54 0.46 0.17 | 35 (), k) *6 b() 11 | 51 18 48 38 |
| | Burdwan | (nin 1 burdwan (nrwa Ran gange Uankur | | | | | | | | NII NII NII | Nil Nil NI | 1 81 1 13 0 14 0 3 1 (2 | 0 15 0 42 0 (1 0 1 i | 34 14 44 14 51 76 41 11 1 50 | 62 - 5 41 8 7 41 2 47 14 49 10 |
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| | Recebbern | Bh So to the tung to tent for Haut 6 ware | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | 0 (5 0 d 1 16 0 +1 | 012 0 1 0 10 1 | 50 0 s 51 10 44 96 | 54 m 51 H 51 H |
| | Nuddea | Ranaghat Kehrasan Charica Marra Kashak | 1 | | | | | | | Nd Nd Nd Nd Nd | Nd Nu Nd Nd Nd | 1 15 0+1 1 _S 0+3 0+1 | 0 43 0 41 0 44 0 41 0 50 | 41 78 39 73 43 16 42 22 48 07 44 52 | 17 54 46 -0 61 63 47 72 55 01 |
| | Khoolna | Sitt for a 1 Lin visit Kho for | 61, | | | | | | | N ₁ 1 | 0 02 Nil 0 19 | 0 06 1 9 1 0 79 | 0 56 0 91 0 81 | 46 75 53 20 43 45 | 56 13 62 4- 55 83 |
| | Jesson | Notail Jose 11 Jhe mid sh Magocrah Bongong | | | | | | | | Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil | 1 10 1 42 0 1 1 0 72 1 47 | 0 40 0 67 0 35 0 44 0 61 | 24 07 41 10 43 14 31 56 56 83 | 47 64 55 03 54 24 51 62 51 56 |
| | Moorshe labred | Kandi Berhampore I dingh V mjunga Jungipore I die it Ikh tjenj Patlaburi | | | | | - | 3.5 | | \!! \\!! \\!! \\!! \\!! \\!! \\!! \\!! | Not Not Not Not Not Not Not Not Not Not | 0 7 0 3 0 25 0 16 0 2 0 07 1 26 0 60 | 0 41 0 62 0 21 0 69 6 53 0 58 | 47 24 5, 58 67 76 60 68 63 00 62 22 52 48 P | 51 18 51 02 48 47 50 68 48 18 50 48 |
| RAST BENGAL | (hittsgong | Cox & Barna Chittageng Kutubdia Satkanya | 5 15 0 tr 1 80 1 20 | 0 ((| | | | | | 2 1 2 1 | 5 20 0 1, 1'14 1 40 | 5 K 2 ki 1 7 1 1 0 5 | 0 51 0 61 | 121°80 77°89 77°21 65°16 | 134 07 94 78 |
| | (bit agong Hdi Iracts | Rangamati Kuma | 0.89 | | | | | | |] | 0 63 | 1 11 7 28 | 0*71 0*50 | 67.80 64.80 | 83 95 80 85 |
| | Kaozergunge | Patunkhally . Patozep te Burusa Bhom | 0 20 0 70 0 93 | | | . | | | | Nil 1 1 | 0 26 Nil 0 70 6 98 | 1 58 1 01 2 79 2 50 | 0°86 0°98 0°84 0°45 | 98.48 98.48 98.48 | 811-00 711 13 69 54 84 49 |

tement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of February 1888 -contd.

| | | | | | В | AINFAL | i. | | | To | TAL. | | 8, | | |
|----------------------|---------------------------|--|---|--------------|--------------------------|----------------------------|-----------------------------|----------------------------|--------------------------|---|--|--|--|--|---|
| rolegical vision. | District. | Station. | Saturday, 28thl | Sunday, 25th | Monday, 30th January, | Tuesday, 31st. | Weanesday, 1st February, | Thursday, 2nd February. | Friday, 3rd February, | Number of ramy days. | Rainfall of | Total cam- fall since 1st of January. | Average total rain- fall from 1st of January. | Total rain- fall since 16th May 1887. | Average rainfall from 15t May 184 to date |
| BENGAL. | | Gournaddi Bauphal | 0 20 0 15 | | | | | | | 1 1 | 0°29 0°15 | 0.51 1.26 | ; | 41°03 62°35 | • ; |
| | Nunkhally | Norkholly Fenny Harishpore Ramganj | 1°17 0°30 1°19 | | ***** | | | | | N:1 | 1°17 0°50 1°10 Nil | 1°98 1°45 1°51 0°93 | 0 63 0 03 ? ? | 71-42 74-33 74-94 61-56 | 109·8 100·7 |
| | *uri@apore | Magaripore Furreedpore Goslundo | 1.20 | | | 111111 111111 111111 | | | | Nil Nil Nil | Nd Nd Nd | 9:50 0:72 0:40 | 0.14 0.14 0.16 | 57:39 38:04 35:00 | 56 8 57 4 57 4 |
| | DRCON 44 | Munsnigunge Daces Narungunge Maniekgunge Joydebpore | 0°27 0°25 | | | | | | | Nil I Nil Nil Nil | 0°27 Nil 0 25 Nil Nil Nil | 0°61 0 95 0°51 0°46 0°20 | 0163 0145 0150 0150 | 30/82 46/10 42/43 35/34 51/07 | 74°3 60°1 63 8 51°4 |
| | Hill Tipperah | Agartola Comilla Chandpore Brahmunberia | 1:40 0:45 0:50 0:32 | | | | | | | 1 1 1 1 | 1°10 0°45 0°50 0°32 0°67 | 110 680 175 674 618 | 0:79 0:78 0:41 0:40 1 | £3*71 48:95 30:67 40:33 38:06 | 62 0 77 9 83 0 63 1 |
| | | Ramchandru- pore. Nasirnagar Daudkandi Kasba Laksham | 0 67 0 31 0 11 | | | | | | | N _i i | 0:34 0:11 Not 0:35 | 0°34 6°25 0°24 0°75 | y ? ? | 36149 36140 42 71 33 06 | * * |
| | Mymengue h | Kishorekunge Atm (Tangail) Mymensingh Jamalpore Netrokena Subarnakhally | | | | | | | | Nil Nil Nil Nil Nil Nil | Nil Nil Nil Nil Nil Nil | 0°19 Nil 0°15 Nil 0°23 0°17 0°10 | 0.70 0.58 0.53 0.60 0.10 2 | 5807 5891 685 6251 7585 6191 11574 | 70°56 56 36 74 43 65°46 72 47 |
| n Bengal | Pubna | Durgapore Dewanganj Pubna Serajkunge | | | | | | | | Nil Nil Nil | Nil Nil Nil | Nil 6/18 0/27 | 0.14 9.44 | 73 94 37 89 50 52 | 9 55 (1 53 (1 |
| | ROKLY | Sherpore Nowshills Boggs | • | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | 0:05 N:1 0:07 0:09 | 0°10 0°.7 0°77 0°38 | 47187 50125 64191 68110 | 5911 54 3 60 5 547 |
| | kajsushy+ | Beauleah Nattore Nasyaon Latpore Manda | | | | ***** | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | Nil Nil 0:51 Nil | 0.59 0.75 1 | 47°19 62°32 51°26 62°62 | 94.0 94.0 |
| | vinida) | Maldah Chunchal Gajat Sibyanj | | | | | | | | Nil Nil Nil Nil | Nil Nil Nil Nil | 0°02 0 13 Nil 0°08 | 0.52 0.70 † † | 49763 43 67 51/19 52/90 | 5 (18 50) 1 9 |
| | Umagopore | Mohadebpara Churamon Raigunge Dungepore . Baloorghat | | | | | | | | Nil Nil 2:1 Nil Nil | Nil Nil Nil Nil Nil Nil | 0 03 0°13 0°21 0°10 N11 | 0 32 0 33 0 64 0 33 0 73 | 02:10 08:00 73:00 00:44 01:28 | 57:7 57:6 56:8 62:5 61:2 |
| | Rungpore | Bhawangunge (Gyabanda) Rungpore Kurigratu Baguogia (Adphawari, Ulipore | 100 | | | | ***** | | | Nil Nil 1 Nil | Nil 013 015 Nil | 0°22 0°15 0°16 0°92 Nat | 0 D 0 G 0 G 0 G 1 | 57:36 83.55 7.470 2-0.26 61:43 | 61 3 74 4 74 3 83 3 |
| | Julpigores Ooneb Kehai | Julpigoree Alipore Doar Fallacotta Debigonj Umnatta Josef Behar | 0°21 1°1 0°58 0°59 0°41 0°04 | 0.15 0.15 | | | | | | 1 1 2 2 2 1 | 0°21 1°31 0°28 0°54 0°60 0°04 0°07 | 0°S5 1°S1 0°55 0°68 0°72 0°77 0°45 | 0°25 f ? 0°17 6°55 | 1256 110 27 142 50 26 75 101 80 122 45 132 .00 147 16 | 116% 1 94°6 118°30 100°4 |
| | uarjeeling Hill. | Buza Silligari Darpeling | 617 0107 0119 0110 0105 | 1.19 | | | 0.03 | 0.02 | | 1 2 1 3 | 0'07 1'38 0'10 0 10 0 13 | 0 25 9:17 0 52 6 67 0:03 | 0°36 1 10 1 17 0°71 1°16 | 165°19 19, 84 15, 89 80 57 | 117-0: 192-3 102-3: 129-0 80-1: |
| R HYHAR | Purnoah | Kinnepong Kinnepong Kinnepong Arkread Purnean Gondwara | | | | 0.13 | | | | Nd Nd Nd Nd | Nil Nil Nil Nil | 0°18 0°50 0°21 | 0.51 0.60 0.60 7 | 81 55 66 88 60 10 7 | 69 5 63°3, 60°36 7 |
| | North Bhago: | Balarampore Matiart Kaliaganj Madappore Soopool Protabganj | 6.03 | | | | | | | Nil Nil Nil Nil Nil Aul | Nil Nil Nil Nil Nil | 0°15 0°15 0°12 0°29 0°19 | 0.52 0.51 | 81°33 50°20 64°25 54°59 66°30 | 49 3; 47 0; |
| | Durbhungs . | Tajpore Durbnunga Madhuban Rahera | | | | | | | | Na Sit Na Na Na | Xil Xil Xil Xil Xil | 0°39 9°60 0°14 0°35 0°44 | 0°70 0°69 0°84 ? | 4676 52 87 55'60 55'29 40'02 | 41.3 |
| | Mosuiterpoie | Mozufierpore Hajipore Pare Mahua | | | | | | | | No No No No No No No No No No No No No N | No | N.1 0:71 0:61 0:60 | 0.00 0.24 0.24 0.44 | 60°51 45°90 37°83 41°94 | 42'0 4.'N 42'4 |
| | (humparun | Mosinari Bettuh Bagana | | | | | | | | Nil Nil Nil Nil Sil | Nil Nil Nil Nil Nil | 0°35 0°52 0°28 0°58 | 0.21 0.23 5 | 59/80 99/82 69/44 80/50 | 43.7 40.4 |

Statement of Rainfall in Bengal for the week ending Friday (6 p m), the 3rd of February 1888.-concil

| | 1 | 1 | | | R | | g. | | 1 | 1014 | | | 1 | - 1 |
|---------------------|---------------------------------|---|---------|--------|----------------------|--------------|---------|---------------------------|--------------|---|---|--|---|---|
| Briston D vision | District, | Mtation | Jacuary | Jat an | rday 30th January | inesday olst | A arday | Trireday, 2nd February | February Srd | Number of | Pamiali of | Total rain fall since let of January | Average total rain fall from lat of January | Total rain fall autoe 15th Mar 1887 |
| ORTH BRHAN | | (ropalgunge Si wan | 1 | | | | | | - | Nil Nil | Nil | 0 69 | 0.58 0.71 0.68 | 42 58 39 74 35 42 |
| OCTH BEHAR | Shahahad | (hireh Buxer Denice Bunical Sessaren Ar en W/mis | | | | | | | | NI NI NI NI NI NI NI NI NI | NII NII NII NII NII | 1 10 1 17 1 10 1 01 (rog 1 0 | 0 81 0 19 0 19 0 14 0 77 | 91 71 59 63 41 58 96 44 41 34 |
| | Gya | Aufungaha t Oya Nowadah sehanasa t Arwal Daudnagar Sherrghats Kajauli Pakrs Barawan | | | | | | | | Nil Nil Nil Nil Nil Nil Nil Nil | \d \d \d \d \d \d \d \d \d \d \d \d \d \ | 0 73 1 66 1 0 1 58 1 10 0 70 | 0 dt 1 9 0 8 0 70 9 P | 20 96 43 79 36 52 44 77 40 92 23 61 56 45 |
| | Palus | Patna Dinapore Behar Barit Bickram Hilsa | | | | | | | | Nd Nd Nd Nd Nd Nd | N1 | 0 81 0 88 1 04 0 5 0 10 1 00 | 0.65 | 37 17 5× 14 47 54 41 46 40 6 34 54 |
| | M naher South Heast | Beg(omerat Monaby: Jamu Gogri Sheikpura Bingul, re Bunka | | | | | | | | Nil Nil Nil Nil Nil | No. 1 | 0 83 0 65 (84 Ntl 0 1) 0 98 | 0.70 0.70 0.70 7 6 0.00 | 49 (8 47 19 39 73 42 63 28 58 41 23 31 89 |
| | Pore Pore Pore Pore | Kolgong Rajmenal (Godus † has sur Na Doomka Deoknur Jamitara Sumra Vanihat | t 0I | | | | | | | Nil Nil Nil Nil Nil | Ail Nil Nil Nil Nil Nil Nil Nil Nil Nil N | 0 18 0 8 0 16 0 1 0 18 0 13 0 13 | 0 23 0 1 0 24 9 61 1 63 0 43 | 47 11 |
| | Hazaribagh | Pachamba (Gered) Haratbagh Semtagurah Sand Hills Jhoomah Hills Barhi (hatra Karaydsha | | | | | | | | Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil | Nd Nd Nd Nd Nd Nd Nd Nd Nd Nd | 0 6 \$ 1 1 \$ 2 th 0 30 0 40 | 0 47 0 61 0 58 1 76 0 58 1 7 7 | |
| | 1 ohai dukka | Lohardugga Ranchi Pala 1 OW Vells Beitumat Hosseinabad Garwan | | | | | | | | No No No No No No No No No No No No No N | Nil Nil Nil Nil Nil Nil | 2 60 1 .0 1 82 1 10 0 23 | 0 77 0 71 1 | |
| | 4111Kp#nom | t nyounna Chikradhar- jere | | | | | | | | Nil Nil | N ₁ l N ₁ l | 1 16 2 24 | , | 89 23 |
| | 1 | Binaragura | | | | | | | | Nil Nil | Nil Nil | 1 39 | | 54 88 39 26 |
| | Мановичн | t urulis tropindpore kayhanath | | | | | | | | Nil Nil Nil | Nil Nil Nil | 1 23 0 18 0 57 | 0 0 | |
| | | Burrabhnom Jhalda Chas | E I | | | | ١. | | | Nil Nil Nil | Nil Nil Nil | | 1 1 | 49 13 |

Expression.—Indicates that no rain has falled it the return for any day has not been received, the corresponding space is left lank. If any of the are wanting the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA the 7th February 1888.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 3RD OF FEBRUARY 1888.

THE meteorology of the week ending the 27th of January had been important from the fact that a well defined harometric depression had marched in a south-eisterly direction across the whole of India. It was first noticed near Quetta on the 20th, and on the 27th it had almost reached Gopalpore on the north Madras Coast. The storm had brought disturbed weather over the whole of Northern India, and also in Bengal. At the plains stations moderate to heavy rain had fallen, while along the Himalayas snow fell for several days in succession, and at some stations the falls were reported to be very heavy. At the close of this week, therefore, weather conditions over Bengal were decidedly disturbed; the skies were heavily clouded over a large part of the province, rain had been fairly general, humidity was high, the day temperatures were low, though minimum temperatures were nearly normal, and a light irregular wind current prevailed over the whole province. On the 28th, or the first day of the present week, the barometric depression above referred to had passed into the Bay of Bengal, and on the 29th it was approaching the east coast of the Bay, and its centre was not far from Akyab, while on the 30th it had apparently passed inland into Upper Burma, or had perhaps broken up, and it ceased to exert any further influence on the meteorology of India. With the continued south-easterly movement of the depression, conditions rapidly changed in Bengal; on the 2 th run fell pretty generally in East Bengal and at the stations in and near the hills in North Bengal, while a few showers also fell in Orissa, but after this date skies cleared rapidly, temperature and humidity decreased, and pressure rose very general y, while a strong and very cold northerly wind current flowed over Bengal, the wind current being of a particularly low temperature owing apparently to the cooling effect of the accumulation of snow on the hills and to the rainfall over I pper India. In fact during the greater part of the week under review the cold weather conditions in Bengal have teen present in an exceptionally pronounced form, and temperature has been particularly low, though towards its close it commenced to rise rapidly

Pressure.—The mean pressure for the week has been largely above the normal in all districts, and taking into consideration only those stations which have submitted observations for a series of years, and which therefore yield reliable averages, the average pressure over the whole province has been 0.072 inch in excess of the normal for the week. The northern districts of the province continue to show the same fact of relatively high pressure when compared with the remainder of the province and thus at Purneali the excess pressure has been 0.1 inch and at 17.5 bhunga it has been 0.098 inch

Temperature.—At the commencement of the week temperature fell with great rapidly and became exceptionally low, and at some stations during the first four days there was a fall in the minimum temperature of from 10° to 15°. Over the whole province for the week temperature has been 38° in defect of the normal, though the defect has too most pronounced in South West Bengal, North Behar and Chuna Nagpur, where it has an ounted to nearly 5°.

The day temperatures have been exceptionally low over the whole province during the weel, and at some stations, such as Purneah, the maximum temperatures have been nearly 10 below the normal. The distribution of the temperature during the week is best seen from the figures in the following table, where the average maximum, minimum and me in temperatures for the week at nine typical stations in different districts of the province are given and compared with normal values for the same period. It will be seen that the average of the day or maximum temperatures at these stations has been 6.8° below the normal, while the night temperatures have been only 2.9° below it:—

Table shawing the excess or defect of the actual mean temperature from the normal for the week ending the 3rd February 1888.

| | rient muxi- | perature for the week | of the | Normal mean mini- mum tem perature for the work ending 8rd Folinuary. | poraturo fu the we k | I vess or lefe t of the actual from the normal mean | Normal me or darly fempera- ture for the week ending and February | A trad m in drift (mp) (mr) i (for traditional tr | idict of the neturi te sm |
|--|--|--|--|---|--|--|--|--|--|
| Onttack Calcutta (Aliporo) Daces Burdwan Patna (Bankipore) Gya Parneah Hazaribagh Darpeeling | 86 0 78 2 79 3 79 3 16 1 76 9 7- 8 74 0 43 1 | 79 6 71 4 73 6 72 5 68 8 70 0 69 2 66 8 57 3 | -6 4 -6 4 -5 7 -7 1 -6 1 -6 9 -6 9 -7 2 -5 8 | 61'4 56 2 55 8 50 4 40'7 53 1 47 9 51'2 32 7 | 60 7 53 4 52 0 51 8 47 4 50 5 43 7 46 8 30 4 | -07 -24 -38 -36 -23 -23 -42 -44 -23 | 717 6-2 676 6,1 6,1 6,1 6,1 6,1 6,1 6,1 6,1 6,1 6, | 70 ' 6 ' 6 ' 70 ' 70 ' 70 ' 70 ' 70 ' 70 ' 70 ' 70 | -35 48 -49 -54 -42 -47 54 58 -40 |

Rainfall—Has been confined practically to East Bengal and Orissa and to the hill districts of North Bengal. East Bengal has received an average fall of about two-thirds of

an inch, and Orissa about a fifth of an inch, but the falls elsewhere only average a few hundredths of an inch. The heaviest rainfalls reported were 5.14 inches at Cox's Bazar on the 28th, and nearly two inches at Kutubdes and Ruma on the same day. The Mymensingh district, on the other hand, received no rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 3rd of February 1888:—

| | | TEMPERATURE | | | | | | | AAINFAL. | | | | | | | | | |
|------------------------------|----|-------------------------|-----------------------|-------------------------|------------------------|-----------------------|---|-----------|-----------------|-------------|-------------------------|-------------------------------------|--------------------------|----------|-------------------------|-----------|-----------------|--|
| METEOROPOGICAL DIVISIONS. | | ng week. | week. | Averages for week. | | k above or | Of week. | | | Rasuv daya. | | | Since 1st of January. | | Nince 15th May 1887. | | | |
| | | Highest observed during | observed basered d | of highest of each day. | Of lowest of each day. | Of mean for each day. | Atterage mean of week below normal mean of | A verage. | Normal average. | Farration. | Average number in week. | Normal average num- ber in week, | Variation. | Average. | Vormal average. | A verage. | Normal average. | |
| Orissa | | 86.1 | 51 5 | 76-6 | 60 \$ | 68 5 | -2.2 | 0 20 | 0.50 | 0 | 0.8 | 04 | +0.5 | 1:31 | 0.44 | 41.73 | 54 3 | |
| South-Wast Bangal | | 81.3 | 45 5 | 72 5 | 52.3 | 62.4 | 46 | 0.02 | 0.12 | -0.12 | 0.5 | 0.5 | -03 | r·87 | 0.24 | 47 58 | 52.84 | |
| Bast Beugal . | | 77 1 | 42 0 | 71 1 | 51.4 | 61.4 | -3.0 | 0.04 | 0.18 | + 0.48 | 0.6 | 0.4 | +0.5 | 1.35 | 0.84 | \$6.84 | 74.74 | |
| North hongal | | 75 1 | 39 9 | 70 5 | 46'3 | 484 | -3.2 | 0.02 | 0.11 | -6.04 | 0.8 | 03 | | u 23 | 0.20 | 73'83 | 70'11 | |
| North Beha- | ., | 75 0 | 40 4 | 68 0 | 46'4 | 57.2 | -62 | Nil | 0.10 | -0.10 | 0.0 | 0.8 | -0.3 | 0-48 | 0.67 | 52.55 | .48.57 | |
| Bouth Behar | | 78 4 | 420 | 60 6 | 15 3 | 59.0 | -35 | Nil | 0.14 | -0'14 | 0.0 | 0.7 | -0.4 | 0.84 | 4.6560 | 42.69 | 44'1 | |
| Onntin Nagpur . | | 75'4" | 42 9 | 67'9" | 47.1. | 87 5. | -4.4. | Nil | 0.14 | -0.14 | 0.0 | 0.4 | 0.4 | 1775 | | 45 80 | 49.51 | |

[·] Chyebassa not includea.

MATEOROLOGICAL OFFICE, BENGAL:

A. PEDLER,

The 7th February 1888.

Offg. Meteorological Reporter to the Gast. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of January 1888.

| | | | | Inches | Date Bour. |
|--|--------------|-------------|---------|----------|-------------------|
| The second of the month | | | | | Date dour. |
| The mean pressure of the month | 94 | ., | •• | 30 016 | |
| The average pressure of January from | | s registers | ••• | 30 014 | 0.1 |
| The highest pressure in the month | ••• | ** | • | 30 220 | 6th 10h. |
| The lowest pressure in the month | ••• | ••• | • | 29 884 | 27th 16h |
| The range of pressure | ••• | •• | ••• | 0.336 | |
| The total number of hours of bright | spushine d | uring the n | nonth | 116.1 | |
| The maximum possible number of he | | | | 337 3 | |
| 5.207 | 8 7 88 | | 200 | Θ. | |
| The mean temperature of the month | 1 | 360 | | 63 4 | |
| The average temperature of Januar | | vears' reg | risters | 67 7 | |
| The highest temperature in the mon | | | •• | 77 8 | 5th |
| The lowest temperature in the mont | | * | | 483 | 31st |
| The range of temperature during the | | | ••• | 29.5 | |
| The mean daily range of temperatur | | | 1333 | 18.9 | |
| The greatest range of temperature in | | ••• | | 26 4 | 15th |
| 200 | • | 270 | 17.70 | Per cent | |
| The mean humidity of the month | | | | 68 | |
| The average humidity of January from | 91 weer | ·· | ••• | 71 | |
| the average numberey of sandary in | m 24 year | e registere | | 71 | |
| | | | | Inch s | |
| The mean vapour tension of the mor | | | | 0.350 | |
| The average vapour tension of Januar | y from 9 | years' reg | isters | 0 467 | |
| The mean cloud proportion of the m | onth | | | 304 | |
| The average cloud proportion of | January f | rom 11 | years' | | |
| registers | 3734 | | | 1.54 | |
| The total rainfall of the month | | | A#1.0 | Inches. | |
| | lelonia nulf | | | 0 92 | |
| The total rainfall indicated by a Bec | | | | 0.01 | |
| gauge (mouth of the gauge about | | | , | 0.91 | |
| The average fall of January from 48 | years reg | isters | ••• | 0 43 | 0.001 |
| The greatest fall in 24 hours | | :•:: | ••• | 0.57 | 27th |
| | | | | Days. | |
| The number of rainy days in the mo | | | ••• | 5 | |
| The average number of rainy days in | u January | from 24 | years' | | |
| registers | • | | *** | 2 | |
| | | | | Θ | |
| The mean maximum equilibrium tem | perature of | solar rad | ation | 0 | |
| during the month | | | | 123.7 | |
| The mean difference of sun and air to | emperature | s | ••• | 497 | |
| The greatest sun temperature | | | | 133 1 | 21th |
| The greatest excess of sun over air te | mperature | ••• | | 590 | 2 4th |
| The mean temperature of the noctur | nal radiati | on thermo | meter | | |
| on woollen cloth | •• | | | 45.6 | |
| The mean depression of the noctur | | | | | |
| below the minimum air tempera | ture at 4 | feet abov | c the | | |
| ground | ••• | | | 9.5 | |
| The greatest depression of the noctu | rnal radiat | ion thermo | meter | | |
| below the minimum air tempera | ture | •• | | 133 | 13th |
| | | | | | |
| m | 4 | | | Miles. | |
| The mean movement of the wind per | uay | ••• | | 47.9 | 20.1 |
| The greatest movement of the wind in | u one day | ••• | ••• | 1120 | 28th |
| The greatest movement of the wind in | one hour | ••• | ••• | 110 | 29th, 11 to noon, |
| | | | | | and noon to 1 PM. |

The number of hours with winds from each of the 8 points-

N. 222, NE. 65, E. 18, SE. 3, S. 2, SW. 9, W. 47, NW. 126, Calm 252.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore '003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2.5° lower; and, finally, the thermometer which has furnished the record of temperature at the Surveyor-General's Office during the last 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory

A. PEDLIR,

METEOROLOGICAL OFFICE, INDIA; Calcutta, the 6th February 1888. For Offg. Meteorological Reporter to the Gont. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 29th January to 4th February 1888

| | | | bright | b-rometer | T | BMPRR | TURF | | 1 | I z Gron | BTET | | WIND | | | |
|-----|------|----------------|---------------------|--------------------|------|-------------|-------|----------|---------------|----------------|-----------|----------|----------------------|-----------------|--------|---------------|
| | Date | Maximum in sun | Vun ber of h urs of | Mean pressure baro | Mean | 1 451101-10 | Pan e | М питата | leau wet ba b | Vapour tens on | Dew po n. | Hamidits | Prevailing direction | Viles recorded. | Rain. | WEATHER |
| 888 | | 0 | | Inches | 0 | 0 | 0 | 0 | 0 | Inc s | 0 | % | | | Inches |] |
| Jan | 29th | 126 3 | 98 | 0.0*0 | (12 | 69 5 | 1, 0 | [15 | 113 | 0 332 | 47 6 | 63 | N by W and calm . | 95 | Nıl | Chiefly clear |
| ,, | 30th | 126 5 | 10 1 | 16 | 59 9 | 69 0 | 19 7 | 40 3 | 1 25 | 308 | 457 | 61 | NNI NW and | 70 | , | Cha s. |
| | 314t | 120 5 | 10 0 | 106 | 511 | 70 6 | _21 | 45 3 | r_ 5 | 3_0 | 46 8 | 66 | NNW and cdm | 19 | 7 | n. 2. |
| Feb | lst | 128 7 | 104 | 059 | 621 | 7 0 | -11 | 100 | rr 7 | 360 | 49 9 | (6 | WNW and cilm | 39 | , | (lear _c |
| " | 2nd | 130 5 | 10 5 | 070 | . 0 | 71 5 | ~() O | 5° 6 | ra 0 | 41.5 | 54 1 | 71 | WNW and calm | 40 | , | (luefly clea |
| * | 3rd | 131 9 | 10 1 | 0,1 | 11.0 | 75.7 | 22.2 | F6 5 | 60 0 | 438 | 55.2 | 71 | SW13 S WNW and | 10 | ,, | Clear 2 |
| | 4th | 133) | 10 | 001 | (40 | 815 | 231 | Lc J | 6-9 | 499 | 698 | 72 | 511 11 11 m1511 | ئ <u>د</u> د | " | (letr, a |

| | | | | | Inches |
|--|--------------|---------------|---------------|--------|-----------------|
| The mean pressure of the seven days | | ••• | | | 30 072 |
| The average pressure of the corresponding I | period for ? | 4 years, S. | G.'s Offy | | 29 988 |
| | | | | | Hot . |
| The total number of hours of bright sunshing | | ••• | | | 714 |
| The maximum possible number of hours of | sunshine | ••• | | | 117 |
| | | | | | O |
| The mean temperature of the seven days | ••• | 2 | | *** | 63 2 |
| The average temperature of the correspondi | ng period | for 21 years | , S G's Offi | ce | 69 5 |
| The extreme variation of temperature | •• | ••• | | ••• | 33 2 |
| The maximum temperature | | | | ••• | 81.5 |
| | | | | | Miles. |
| The highest velocity of the wind in one hor | 11 | | 9.0 | | 11 |
| ##################################### | | | | 0.550 | Tou |
| The highest pressure of wind on one square | e foot | ••• | 101 | | Not measurable. |
| | | | | | % |
| The me in relative humidity | ,, • | | •• | | 67 |
| The average relative humidity of the corresp | ponding pe | riod for 24 y | ears, S. G.'s | Office | 71 |
| | | | | | Inches |
| The total fall of run from 20th January to | 4th Febru | ary 1888 | | ••• | Nil |
| The average fall of the corresponding period | d for 24 ye | ars, S G's | Office | *** | 0.19 |
| The total fall from 1st January to 4th Feb | | | | | 0 92 |
| The average fall of the corresponding period | | | Office | ••• | 0 47 |
| m | | | | | venous sil |

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The harometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteoro egical Office, and based on Regnault's modifications of August's formula.

The ci ections and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

, A. PEDLER,

For Offg. Meteorological Reporter to the Goot of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA; Calcutta, the 6th February 1888.

⁻ tug, a dew.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of January 1888.

| | | | | $\mathcal{C}_{\mathcal{I}}$ | |
|--|----------|---------------|-------|-----------------------------|--------------|
| The mean temperature during the month | | | | | Date. |
| | | ••• | | 64.6 | |
| The highest temperature during the month | n | ***. | • • • | 80 1 | 16th & 28th. |
| The lowest temperature during the month | | *** | | 48.1 | 31st. |
| The range of temperature during the mor | ith | *** | | 32 0 | |
| The mean daily range of temperature duri | ng the r | nonth | ••• | 50.8 | |
| The greatest range of temperature in one | day dur | ing the month | | 280 | 15th. |
| The mean humidity during the month | *** | *** | | °/ 67 | |
| | | | | Inches. | |
| The mean vacour tension during the mon | th | **** | | .409 | |
| The total rainfall of the month | | ••• | | 1.11 | |
| The greatest fall in 24 hours | | *** | | 0.74 | 27th. |
| The number of rainy days in the month | | *** | | 6 | |
| | | | | | |

A. PEDLER,

For Offg. Meteorological Reporter to the Gort, of India.

The second secon

METEOROLOGICAL OFFICE, INDIA; The 6th February 1888.

> Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 29th January to 4th February 1888.

| | | | | | PEMPER | ATU E. | | | i . | | | |
|------------------------|------|--|--------|--|--|--|---|--|---|--|--|-------|
| ПСИОВ | | Date. | | Menii. | Varianto. | Maximum. | | Mean wet bulb. | Vapour tension. | Dew point. | Homidity. | Rain, |
| 1888. | | • | Ī | • | | • | • | o | Inches. | • | ,, ,, | Incre |
| January Cebruary | :: | 29th 30th 31st 1st 2nd 3rd 4th | | 62:5 61:2 60:3 64:1 66:8 68:5 76:9 | 71:4 71:1 72:1 76:9 75:9 75:9 80:4 83:9 | 17 0 20 0 21 0 25 2 23 0 23 5 26 9 | 51 4 51 1 48 1 51 7 55 9 5 9 58 0 | 54 7 63 7 53 8 67 2 61 1 61 3 65 1 | 326 315 331 378 461 418 463 | 47.2 46.3 47.6 51.2 56.9 55.9 56.8 | 58 58 63 63 70 64 50 | N |
| $\mathbf{T}\mathbf{h}$ | e ex | tremo | var | | f the sev tempera | | | • | | | 65.8 35.8 83.9 | |
| Th | e m | ean re | elativ | e humid | ity | •• | | • | ••• | | 61 nches. | |

The total fall of rain from 29th January to 4th February 1888 The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA; The 6th February 1888.

A. PEDLER, For Offg. Meteorological Reporter to the Govt. of India.

... Nil

MEMORANDUM.

The chief incidents in connection with the vital statistics of the principal Municipalities in Bengal, for the week ending 14th January 1888, are the following:—

1. That births and deaths were registered in the proportions per 1,000 of population of 22 8 and 24 5 respectively, as opposed to 21 and 26 9 per 1,000 in the preceding week ending 7th January, indicating an improvement in the registration of births with a refrogression in that of deates.

2 That the undermentioned Municipalities returned the highest proportions of births and deaths:—

| | | Buths. | | | | Deat) | 18. | | |
|-------------|---|--------|-----|-----------------|------------|----------|-----|-----|---------------------|
| | | | | Ratio per mille | | | | | Ratio per mille. |
| Narainganj | | 240 | | 49 7 | Beauleah | | | | 49.9 |
| Mozufterpor | C | •• | | 438 | Suburls of | Calcutta | ••• | ••• | 44.9 |
| Jessore | | ** | ••• | 1_8 | Puri | ••• | ••• | | 42.0 |
| Comillah | | | | 12 3 | Narainganj | ••• | | | 37-2 |
| Durbhanga | | *** | | 393 | Jessore | ••• | ••• | | 36.7 |
| Monghyr | | | | 35 3 | Gya | | | ••• | 363 |
| Beauleah | | | 8.0 | 31 5 | Serampur | ••• | | | 33.4 |

5. That, as compared with the results of the preceding week, there was a fractional diminution of mortality from all the diseases, excepting small-pox and injury, the death-rates from which presented no variations:—

| | | | | | F | latio per mille durin | g the weeks ending- |
|--------------|-------|-----|-----|-----|-----|-----------------------|---------------------|
| | | | | | | 14th Jan 1888. | 7th Jan. 1888, |
| Cholera | ••• | | | *** | | 2 3 | 23 |
| Small-pox | | ••• | •• | •• | ••• | .03 | 03 |
| Fever | | | ••• | | ••• | 10 4 | 11.2 |
| Bowel-compl | aints | | ••• | | | 42 | 44 |
| Injury | | | *** | ••• | ••• | .3 | .2 |
| Other causes | 3 | *** | | | | 7.3 | 81 |

4. That while the following Municipalities exhibited conspicuously high mortality from cholera, fever, and the maladies classed as "Other causes," in the others no noticeable severity from small-pox, howel-complaints or injuries occurred excepting in Puri, where 14.7 per 1,000 of the population died from bowel-complaints:—

| Cholcra | | Fever. | | Other c | auses. | |
|---|--|--------------------------------|-------------------|---------------------------------------|---------------|------------------------------|
| | ntio per | | Ratio per | | | Ratto per |
| Naraingan; Beaulcah Durbhunga Suburbs of Calcutta Howrah Dacca | 12·4 10·5 5 5 4 9 4 0 3 2 | Beauleah Jessore Purneah | 212 215 208 | Gya Puri Serampur Suburbs of | • Calcutta | 19 8 14·7 13·7 13·0 |

5. That the death-rates in relation to Sex, Class and Age were returned at the rates indicated below: -

| According to S | ex. | Actor | ding to | Class | | A | ccordin | y 10 A | 1ye. | No. |
|--|-----|---------------------------------------|---------|-------|----------------------|---------------------------|--|-------------|------|--|
| Ratio of male death to every 100 fema | | Christians Hindus Mahomedan | | | 17:4 24:8 24:3 | 1 and 5 10 15 20 30 40 50 | 1 year under 5 , 10 , 15 , 20 , 30 , 50 , 60 , 60 , 60 | " " " | | atio per mills. 152 6 28.4 12.7 4.5 12.5 14.2 18.7 23.0 31.7 79.5 |

K. LIDDERDALE, M.D., Deputy Surgeon-General,

The 6th February 1888

Sanitary Commissioner for Bengal.

| HATBICTS. NAMES OF MUNIOI. MANES OP MUNIOI. Manes of Midnes of M | POPULATION. | 0.0000000000000000000000000000000000000 | _ | | | | 1 | | | 4 | | | | | | | - | MORT | MORTALITY | | ACCORDING | NG TO | 1 | | | | | |
|--|-------------|---|------------|-----------|--------|-----------------------|--|--------------|--|----------------|------------|-------------|------------------|-----------------|--------|----------|------------|---------|------------------------------------|--------|------------------|--------------|---|----------|----------|---|---------|-------------------|
| MANES OF WUNIOL-PALITIES. Burdwan A Midnspore Hughli and Chinsurah | - | TION. | | | | BIRTHS | HS. | | | | | | | | | Disc | Disease. | | | | | | | | | | Ser | |
| Burdwan A | | | N.C. | NUMBER | -40 | RITIC OF PC PER | RITTO PRE 1,000 OF POPULATION PER ANNUM. | | V 40 40 40 40 40 40 40 40 40 40 40 40 40 | | Ğ | DEATHS PROM | PROM | î | | <u> </u> | ATTO P | 'BR 1.0 | HAIJO PER 1,000 OF POPULATION ANDE | POPUL. | LION | 8 8 | rer mmunt | DEATER | | RATIO PER 1,000 OF POPULATION (BR ANNUA. | PEROT | |
| Burdwan A | Pemales. | -Total. | Anink | Formsles. | Total. | Mulos. | Pemnles. | .laloT | thrid elaun to cital saltrid elauet 601 | Cholera. | -zoq-llamk | Fevers, | nower-compounds: | Other discuses. | | Cholera, | .xoq-flams | Hevera. | .estniniquios-ismosi | | Orthor diseases. | А јј свизез. | read solded to older a new months per a new months of a new succession and a new succession of the previous and a new succession of the new succession of | .solnIt. | Pennios. | .kolnit | Pomales | |
| Midnapore Hughli and Chimatrah | 51 16,015 | 35 34,086 | • | 61 | 9 | 6.1 | 3.0 | 9.1 | 500 | 5 1 | | 10 | | | | | | i. | 1.3 | - I | 1.5 | 107 | 29.6 | • | 60 | 11.5 | 1.6 | |
| Chineursh | 27 16,633 | 33,560 | 0 | o: | • | 9.4 | 4.6 | 5.3 | 100 | · : | T . | 9 | 01 | | | : | : | 6.6 | 3 73.1 | : | ŧ | 15.1 | 10.8 | NO. | 60 | 15 4 | 1.6 | |
| | 19,539 | 39 38,718 | | 13 | 91 | 4.6 | 17.5 | 64.6 | 53 | : | | 21 | | | - | | | 167.1 | 1 + 10 | 1 | : | 20.1 | 33.3 | S | - | 21.7 | 18.4 | |
| Serempore 13,559 | 59 12,937 | 37 26,496 | | ¢ | 22 | 13.7 | 8.11 | 6.00 | 116 | - | 3 | • | | 1 444 | 7 | 1.5 | : | i- | 5.6 · 5 | : | 1::1 | 33.1 | F.1.8 | 7. | œ | 31.3 | 35 5 | |
| 1 Utterpars 3,046 | 48 2,464 | 94 6.510 | 61 | - | 60 | 6.81 | ě. | 9.83 | 665 | 31 34 33 | - | 1 | : | | | : | 1 | ċ. | • | ; | ö. | 18.0 | 81.4 | - | - | 17.0 | 21.1 | |
| (Howman 53,153 | 53 87,660 | 30 90,813 | 81 | 22 | 7 | 12.0 | 12.0 | £.3 | 101 | 1- | 7.27 | 8 | • | SEE TO SEE | 6 | 0.7 | | 4.4 | 0.5 | 2 | 7 | 3.0 | 31.12 | ÷1 | 13 | 5.1.5 | 1.00 | |
| 7,836 | 36 6.979 | 14,815 | * | - | 89 | 20 | 2.2 | 10.5 | 1051 | 1 | | * | _ | 15 104- | - | : | : | 14.0 | 5.5 | | 5.5 | 1.15 | 11.87 | 63 | 65 | 13.3 | 1.55 | |
| Subgrbs of Calcutta 147,205 | 104,234 | 251,439 | 63 | 12 | 19. | 13.4 | 1.11 | 9.1 | 118 | 21 | | | 3 | 1 6 | 3 917 | | 31 | 2 17.0 | 0 0.5 | ?1 | 5 | £ | 9.4 | 127 | 3 | 41.0 | 64 | |
| Кыйдакрык 13,263 | 83 14,214 | 4 27,477 | 9 1 | 69 | 12 | 6.51 | 3.8 | 1.55 | 200 | 2 | | J. | _ | - | a T | 65 | : | 0.21 | 6.1 | 6.1 | 6.1 | 3.55 | \$.1.3 | * | 10 | 15.7 | 998 | |
| . Ranaghat 4,028 | 28 4,655 | 8,683 | : | : | | į | ; | - | • | | : | | | - | 1 | 1 | : | - | +- | 1 | | : | 18.0 | ; | : | : | 1 | |
| Santipore 13,705 | 08 15,979 | 6 29,687 | 8 | | 63 | 2 23 | : | 5.5 No | No female. | | : | 61 | - | | 65 | 18 | 130 | 1 3.2 | | : | 1.1 | 61.0 | 26.3 | - | 91 | 8.8. | :29 | |
| Je-sore 4,830 | 3 -85 | 5 8,495 | + | 8 | | 212 | 18:3 | 8 24 | 133 | = | | • | - | | 9 | 1.5 | 7 | 2.13 | | 1 | 6.1 | 38:1 | 15.5 | 60 | တ | 32.3 | 45.6 | |
| Bemprre Beaulenh 10,765 | 34 9,025 | 19,791 | ь . | 1- | 12 | 13.1 | 18.1 | 31.5 | 1. | 4 | - | 12 | 1 | - | 1 | 10.2 | | 20 | | | 17 | 6.77 | 8.50 | 2 | G | 2.3 | 51.9 | |
| Darpling 5,0:39 | 716,2 2,917 | 7 7,976 | : | • | : | 2 | 3 | | | ÷ | -: | 1 | | | - | : | • | 5 | | i | : | 6.3 | | - | : | 11.5 | : | No female deaths. |
| Darca 42,799 | 88 87,379 | 191,08 6 | s | 9 | 1 | ç1 12 | è | 1.6 | 1:3 | , KC | : | * | | c. | - 13 | 3.7 | ** | 61 | 7 | ŧ | 50 | 12.3 | 1.05 | Ξ | 40 | 16.9 | 0.2 | |
| | 15 4,956 | 6 12.561 | • | 00 | 21 | 16.5 | 33.1 | 49.7 | 20 | | - :: | 3 | : | | 6 | 15. | | 1-1 | - | - | f 71 | 51 15 | 33.1 | 9 | 63 | 5.74 | 25.3 | |
| Chittneone 13,349 | 8,790 | 0 22,13 | 1 | • | • | : | 1 6 | 0 1 No | No maio | | | | : | - | * - | 1 | - | ?. | : | : | 5.3 | ī., | 1+1 | - | 63 | 6. | 17.1 | |
| Comillah 3,153 | 13 5,523 | 3 13,5745 | 9 | 10 | 11 | 23.1 | 19-2 | 12.3 | | | - | - 01 | : | 6 | *2 | : | 1 | 17 | : | 1 | 11.2 | 16.5 | 11.6 | C+ | 63 | 1.21 | 7.07 | |
| Pattia Caty 78,762 | 52,473 | 5 160,237 | ļ; | 57 | IJ | 12.0 | 8.1 | 1.05 | 145 | 6: | 34 | . I. | | 15 | 15 | | \$ | | 2.5 | : | 10 | 16.0 | 20.1 | 53 | ej C | 2.5 | 1.4.1 | |
| Gys 35.250 | 60 37,831 | 121 92 . 16 | :3 | 13 | 41 | 17.7 | 169 | 0.50 | 156 | | 64 | 51 | - | 65 | 3 | - | | 15.0 | : | • | *** | 35.38 | 61 161 | 96 | 61 | 35.3 | 1.18 | |
| Arrab 20,040 | 69 22,5: 5 | 5 43.4% | | ± | 51 | ÷ | 10.7 | 25.1 | 519 | | | | 04 | Ċ1 | 13 | ; | ; | 9.0 | <u></u> | : | 7.1 | 111 | 17.3 | 8 | • | 2 | 2 6 | |
| Mozufferpore 23,054 | 54 19,05% | 3 L 42,742 | % | 'n | 3.5 | 34.1 | 1.0 | | 3.0 | | | • | 1 | on | 13 | : | i | 5.4 | 1.5 | 1 | 1.6 | 12.8 | 10.0 | v | 1- | 13 3 | 15.5 | |
| Durldungt 53,774 | 74 32,322 | 25 60, rsu | â | c1 | 10 | ÷ 05 | | 20.0% | 108 | - | 1 | | - | 2 | 8 | | | 11.5 | 10 | | | 6.00 | S. 53 | 81 | 11 | 30 \$ | 15.55 | |
| Chutra 26,044 | 5.2.2 | 5 53.24 | - | 64 | ě | 1.1 | | 2. | ż | | | 91 | i | _ | | 1 | : | 1.0 | : | : | 1.0 | 5.5 | 6.1 | - | 64 | 6.7 | . s. s | |
| Bhatulper 29,640 | 540 E7.813 | 13 57,457 | | O | 21 | 17.3 | | 1.15 | 2.63 | | - | • | | | 63 | 1 | i | 15.7 | 3.5 | | 8.1 | 1.15 | 55.3 | 16 | = | 1.45 | 9.03 | |
| Monthet 28,154 | 54 20,505 | 57,530 | â | 13 | 8 | . 5.1 | 17.71 | 60 | 165 | ••• | | | | 9 | 16 | | : | 10 | 1.5 | 6. | 3.1 | 14.5 | 15.1 | 1 | G | 13.3 | 15.0 | |
| Furnesh 8.465 | 65 6,553 | 53 15,º16 | - | - | ¢1 | ÷ | 4.2 | 7.5 | 1.0 | - | | | : | | | : | ! | 30.2 | : | : | : | 506 | 17.3 | • | 21 | 9.42 | 15.9 | |
| Puri 13,247 | 72 11,537 | 7.175 | • | • | 0 | 10.5 | * | 18.0 | 125 | | ! | 4 | 1 | | 60 | 2.1 | 1 | s | 14.7 | | 11.7 | 0.54 | 27.3 | 13 | ρ, | 28.5 | 22.52 | |
| Total 702,890 | 90 61B,csi | 1.822.581 | 9250 | 3 | 579 | 9.21 | 10.5 | 31 | 123 | 23 | 1 255 | 2 105 | | 136 | 6.3 | 61 | 20. | 10.4 | 5, | ; | 7.3 | 2.4.2 | 26.9 | 35. | 27. | 63.0 | 8.12 | |

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| Districts. | | | | | 13 | | - | <u></u> | | : | | | | | | 7 | | | | | | | | | | 32 | | | | |
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| Districts. | | | | | | 1 | | | | İ | | | | | MO | MORTALITY ACCORDING TO | TY AC | CORDI | NG TO | ī | • | | | | | | | | | ĺ |
| Districts. | | | _ | ı | | | Class | S. S. | 1 | | | | | | | | | | | | Age | | | | | | | | | |
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| | i | Hughli and Chinsarab | | 1 | 2 01 | | | | * 4 | 7, | | - | | ć | | ~; | 1 1 | | | | k3 | | 14 | | | ر' | | 67 | 8 | £ 73 |
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| | | Howrah | | 91 | | ٠. | | _ | , , | • | | , | - | • | | • | | • | | r | | , | 1 0 | | → | 3 | 1 | 1. | | 6.3 |
| | ٠ | Balı | | _ | 9 | | | | 1 | | | - (| - | | | | | 9 | ٦, | 1 3 | . | * 8 | | | | 10 | | * | 9 (+ | 1-1 |
| 24-Pergunnaha | • | Suburbs of Calcutta | 944 | • | 17 | _ | | 1 12 | 79 | : | | <i>t</i> | 3 | t- | • | - | ; | ; | | • | 300 | - | ĵ. | 11 | ? | | 7 | ^ | ٥ | 5 |
| | Ę | Kishnaghur . | | | 9 | | | | • | 1- | | - | ~ | 2 | | | - | | - | ~1 | ' . | -1 - | - | | | o n | 52 | | 4. | 7 73 |
| Hudden | - | ٠ | - | | | _ | | | | - | | | | | | | | ~ | - | | 2 | | | | | | , | 4 | 71 | |
| | <i>-</i> | Sant'pore | | | , , | g es | | 0.0 | Ъ | | | | | ~1 | - | | | - | _ | | | | 11. | ř | | 3 | - | 4 | 9.3 4 | |
| debab; | Γ. | re Beanleah | | | | 82 | | | 0.00 | .3.3 | | | ä | c | | ī | • | • | | 1 | 1,1, | c°. | ٠, | | 2 - | ř | | 8 4 8 | 8,8 | 210 |
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| ! }.'! | ~ | Naraingunge | | × | 4 | | | - 10 | | , 50 | | 64 | | C) | - | | | | | s - | 3 1 2 | | | £. 8 | | ? . | 5 | | | 239 3 |
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| | | | | . : | , so | ш. | | | (62 | 6 7 | | : | ٤ | - | | ٠: | 01 | | 1 | 71 | 6.4 | • | 1 | | 3 | 1. | 7 | ĵ, | 8 | 151 5 |
| Market | - | Arrah | | - : | * | | - | 400 | 13 4 1. | 1.5 | | 1 | | | - | 9 | 2 | ** | | • | . | | 101 | 5 | | 13 4 | 16.1 | = | | - 13 |
| and the pare | - | Hosufferpore | | _ | 8 | | | ntli | | 20.5 | | • | | | | • | i | 7 | , | ι, | , - | | | | and a | 9 | | 7 ; | 4 . | ; |
| - Marie | 1 | Durbbangs | | 61 | 91 | | - | 24 | v | 3,0 | | 1. | Ξ, | 4 | | -32 | | 2 9 | • | | - - | 5 | 9 92 | | | 5 | • | 17 × | 3 | 6 71 |
| 1 | 1 | Chupra | - | 2 | | | | | | · · | | , | | - | | e | ٠ | ٠. | - | e g | | 7 | 3 | | | 0 | 7 | 2 | 8 | 1 |
| | - | Binguipore | | 2 4 | 3 4 | | | | 17.4 | | | • 01 | į. | C C | | | | • ~ | - | ဗ | | | 2 | | | - 1 | | S | | 87.0 |
| | | Porterb | ; | | | - | | | | | | | | | 1 | | - | 66 | 1 | ~1 | | | 678 | 40.5 | | | 15.2 | | ? | 128 9 |
| | 1 1 | 100 | · i | | 1 | | - | : | - : 3 | | | | 7 | | | 1 | 7 | | | • | | 12 | - | | | | 5.3 | 15,5 | | 83 83 |
| 61/61 | | | 1: | 1 2 | 3 168 | Ţ. | Ī | 1 + | 148 243 | - | | 8 | 99 | 61 | 9 | 17 | 17 | 12 | 3 | 123 | 152 , | Ť, | 121 | • | 12.0 | 11.2 | 12 | 130 | 51.7 | 78 |

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPIN, 971 MILITS.

Statement showing Quantities of Goods carried during the month of December 1887.

| - 1 | | | TOTAL GOVERNMEN | T AND PRIVATE. | | Paiv | ATE | |
|--|---|---|---|--|--|---|---|----------------|
| mber of cats or rais. | · DESCRIPTION. | | Quantity-Tons | | Value. | Quantity. | Value | KK8. |
| , | | Up | Down | Total. | Rupees. | Tons | Rupees | REMAKES |
| 320 | 1. Grain | 2,638 | 581 | 3,219 | 1,19,566 | 3,219 | 1,19,566 | |
| | 2. Cotton | 97 | | 97 | 9,700 | 97 | 0.700 | 1 |
| 5 | 3 Oilseeds | 54 | 268 | 322 | 21,928 | 322 | 9,700 | 1 |
| 21 | 4. Salt | 1 | 7 | 8 | 4,600 | 8 | 21,928 4,600 | 1 |
| 1 | Prece-goods Metal | * | 1 | 1 | 120 | 1 | 120 | |
| 5 | 7. Building materials | 18 | 16 | 34 | 375 | 31 | 37) | |
| 809 | 0 1/ 11 | 308 | 709 | 1,017 | 98 450 | 1,017 | 98,450 | 1 |
| 32 | 0 Thal | 20 | 338 | 358 | 4,960 | 358 | 4,960 | ! |
| rafts | 10 M L | 79 c. ft. | 300 | 79 c ft. | 90 | 79 o. ft. | 90 | ļ |
| | 11 Dombos | ADDITION ALGERTAL | 433 c ft | 433 ,, | 45 | 433 ,, | 45 | 1 |
| | 11. Damooos | | | 190 ,, | | | 1 | |
| 107 0 | 10 M / 1 | 9.100.0 | 1 000 6 | F 050 8 | | C E 050 0 | | |
| 197 & | 12. Total | 3,136 & | 1,920 & | 5,056 & | 2,59,834 | 5,056 & | 2,59,831 | |
| 7 rafts | | 79 o ft. | 433 c ft. | 512 c. ft. | J | { 512 c ft | <u> </u> | |
| 622 & | 13. Total of same | 1,127 & | } 214 | ∫ 1,341 & | 61,056 | § 1,341 & | } 61,056 | |
| rafts | month last year | 226 c. ft. | ("17 | 226 c. tt. | (01,000 | 1 226 c. ft | (01,000 | 1 |
| | | | 1 | (220 0. 10. | . 1 | [C 220 C. 11 | 1) | |
| | | Lp. | Down. | Total. | 1 | | | A. |
| | number of boats plying | Lp. | Down. | · | | ge of mont | h— | |
| . Total | number of boats plying | Lp. | Down. 626 | · | 24+25+ | ge of mont | h— 6,633 | |
| Total car | number of boats plying go No number of boats ply- | Lp. 571 | 626 | 1,197 | 24+25+ Total toll | ge of month | h— 6,633 | 1 |
| Total car Total ing | number of boats plying go No number of boats ply- passenger No. | 571 | | Fotal. | 24+25+ | ge of month | h— 6,633 | 1 |
| Total car | number of boats plying go No number of boats ply- passenger No. registered tennage, | 571 | 626 56 | 1,197 | 24+25+ Total toll | ge of month | h— 6,633 | 1 |
| Total car Total ing Total car | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons | 571 | 626 | 1,197 | 24+25+ Total toll | ge of month | h— 6,633 | 1 |
| Total car Total ing Total car Total | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, | 571 44 6,945 | 626 56 5,845 | 1,197 100 12,790 | 24+25+ Total toll month las | ge of month | 6,633 ame . 1,645 | 1 |
| Total car Total ing Total car Total pas | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tons | 571 44 6,945 668 | 626 56 5,845 514 | 1,197 100 12,790 1,182 | 24+25+ Total toll month las | ge of month 26 lage of sa | 6,633 ame . 1,645 | 1 |
| Total car Total ing Total car Total pass Ton m | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage | 571 44 6,945 668 192,024 | 626 56 5,845 514 184,837 | 1,197 100 12,790 1,182 376,861 | 24+25+ Total toll month las | ge of month 26 lage of sa | 6,633 ame . 1,645 | 1 |
| Total car Total ing Total car Total pass Ton m Estim | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. | 571 44 6,945 668 192,024 1,22,285 | 626 56 5,845 514 184,837 1,37,414 | 1,197 100 12,790 1,182 376,861 2,59,699 | 24+25+ Total toll month las | ge of month 26 lage of sa | 6,633 ame . 1,645 | 7 |
| . Total car . Total ing . Total car . Total pas . Ton m . Estim | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. er of passengers No. | 571 44 6,945 668 192,024 | 56 5,845 5,845 514 184,837 1,37,414 1,831 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 | 24+25+ Total toll month las | ge of month 26 lage of sa | 6,633 time . 1,645 To/lage. | 7 |
| . Total car Total ing Total car Total pas Ton m Estima Numo Rafts, | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. er of passengers No. bamboos c. ft. | 571 44 6,945 668 192,024 1,22,285 2,208 | 626 56 5,845 514 184,837 1,37,414 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 | 24+25+ Total toll month las | ge of month 26 lage of sa st year emorandum of | h— . 6,633 time . 1,645 f To/lage. | 7 |
| Total car. Total ing. Total car. Total pas. Ton m. Estim. Numo. Rafts, Do., | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. eer of passengers No. bamboos c. ft. bullahs , | 571 44 6,945 668 192,024 1,22,285 2,208 | 56 5,845 514 184,837 1,37,414 1,831 433 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 79 | 24+25+ Total toll month las | ge of month 26 lage of sa st year emorandum of | h— . 6,633 time . 1,645 f To/lage. | 1 7 — |
| Total car Total ing Total car Total pass Ton m Estima Numo Rafts, Do., | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tons alted value of cargo Rs. er of passengers No. bamboos c. ft. bullahs ated value of rafts Rs. | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 | 56 5,845 5,845 514 184,837 1,37,414 1,831 433 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 79 135 | 24+25+ Total toll month lass M 1. Balance on the month lass of the month lass of t | ge of month 26 lage of sa st year emorandum of | h— 6,633 time 1,645 f To/lage. Rs. red the 3 976 | 1 7 |
| Total car Total ing Total car Total pass Ton n Estima Number Rafts, Do., Letim Tollage | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tons nileage ated value of cargo Rs. bamboos c. ft. bullahs ated value of rafts Rs. ge on boats ,, | 571 44 6,945 668 192,024 1,22,285 2,208 | 56 5,845 514 184,837 1,37,414 1,831 433 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 79 | 1. Balance on the month age. Total toll month last age. | ge of month 26 lage of sa st year emorandum of e rot recove the lst of | h— 6,633 ame 1,645 f To/lage. Rs. red the 3 976 6,6 33 | 1 7 A. 1 |
| Total car Total ing Total car Total pass Ton m Estima Numo Rafts, Do., Lstim Tollag Compe | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tons nileage ated value of cargo Rs. bamboos c. ft. bullahs , ated value of rafts Rs. ge on boats ounded tollage on | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 79 135 5,997-2-9 | 24+25+ Total toll month lass M 1. Balance on the month lass of the month lass of t | ge of month 26 lage of sa st year emorandum of e rot recove the lst of | h— 6,633 time 1,645 f To/lage. Rs. red the 3 976 | 1 7 A. 1 |
| Total car Total ing Total car Total pass Ton m Estima Numo Rafts, Do., Lstim Tollag Compo bos | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. ser of passengers No. bamboos c. ft. bullahs ge on boats ounded tollage on sts Rs. | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 356-4-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 275-1-0 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 4,039 135 5,997-2-9 631-5-0 | 1. Balance on the month last o | ge of month 26 lage of sa st year emorandum of the lat of h per month Total at paid in | h— 6,633 ame . 1,645 To/lage. Rs. red the 3 976 6,6 33 10,609 anto | 1 7 A. 1 |
| Total car Total ing Total car Total pas Ton m Estim Numo Rafts, Do., Lstim Tollag Compo | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. ser of passengers No. bamboos c. ft. bullahs ge on boats gounded tollage on ats Rs. ge on rafts Rs. ge on rafts | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 433 79 135 5,997-2-9 | 1. Balance on the month last o | ge of month 26 lage of sa st year emorandum of e rot recove the 1st of h per month | h— 6,633 ame . 1,645 To/lage. Rs. red the 3 976 6,6 33 10,609 anto | 1 7 A. 1 |
| Total car Total ing Total car Total pas Ton m Estim Numo Rafts, Do., Lstim Tollag Compo bos Tollag Total | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous alted value of cargo Rs. er of passengers No. bamboos c. ft. bullahs ated value of rafts Rs. ge on boats ounded tollage on sts Rs. ge on rafts , tollage on boats per | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 356-4-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 275-1-0 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 4,039 433 79 135 5,997-2-9 631-5-0 4 9-6 | 1. Balance on the month last o | ge of month 26 lage of sa st year emorandum of the lat of he per month Total at paid in arry during the | h— 6,633 ame . 1,645 To/lage. Rs. red the 3 976 6,6 33 10,609 anto | 1 7 |
| Total car Total ing Total car Total pas Ton m Estim Numo Rafts, Do., Lstim Tollag Compo bos Tollag Total | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous nileage ated value of cargo Rs. er of passengers No. bamboos c. ft. bullahs ated value of rafts Rs. ge on boats ounded tollage on sts Rs. ge on rafts tollage on boats per mile Rs. | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 356-4-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 275-1-0 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 4,039 135 5,997-2-9 631-5-0 | 1. Balance on to month 2. Tollage 3. Amount treas mont | ge of month 26 lage of sa st year emorandum of the lat of he per month Total at paid in arry during the | ## 6,633 ### 1,645 ### To/lage. Rs. red the 3 976 6,6 % 10,609 nto the 1,994 | 1 7 |
| Total car Total ing Total car Total pas Ton m Estim Numo Rafts, Do., Letim Tollag Compo bos Tollag Total ton Total | number of boats plying go No number of boats ply- passenger No. registered tonnage, go Tons registered tonnage, senger Tous alted value of cargo Rs. er of passengers No. bamboos c. ft. bullahs ated value of rafts Rs. ge on boats ounded tollage on sts Rs. ge on rafts , tollage on boats per | 571 44 6,945 668 192,024 1,22,285 2,208 79 90 3,028-15-0 356-4-0 2-12-0 | 56 5,845 514 184,837 1,37,414 1,831 433 45 2,968-3-9 275-1-0 1-13-6 | 1,197 100 12,790 1,182 376,861 2,59,699 4,039 4,039 433 79 135 5,997-2-9 631-5-0 4 9-6 | 1. Balance on treasmont 3. Amount treasmont 5. Balance | ge of month 26 lage of sa st year emorandum of the lat of he per month Total at paid in arry during the | ## 6,633 ### 1,645 ### To/lage. Rs. red the 3 976 6,6 % 10,609 nto the 1,994 | 7 |

Abstract for the month of December 1887 as compared with the corresponding month of the previous year.

| | | | | · | | 188 | 7-88. | | | | - | 1886 | 87 | - | === |
|------|---------|-----|---|------------|------|-----|-------------|-------|-------|----------|-------|------|-------------|-------|------|
| | | | | During the | mont | th | To end of t | he me | onth. | Durms th | e moi | ith | To end of t | he mo | onth |
| | | | | Rs. | A, | P. | Rs. | ۸. | Р. | Rs. | ۸. | P. | Rs. | ۸. | P. |
| lage | *** | ••• | ٠ | 6,633 | 1 | 8 | 35,211 | 9 | 9 | 1,645 | 7 | 6 | 16,818 | 10 | 3 |

The 7th February 1488.

A. D. McArthur, Major, R.L.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS

Statement showing Quantities of Goods carried during the month of December 1887

| 20 | | | TOTAL (HOVERNM | ENT AND PRIVACE | | PRIVA | те | |
|------------------------------------|--|--------------------------------|---------------------------------------|---------------------------------------|--|--|--|--------------------|
| Number of boats or rafts, | I) ESCRIPTION | | Quantity Ions | | Valuo | Quantity. | Válue | SKE. |
| | | Up | Down | Total | Rupces | Tons | Rupees | REMARKS |
| 552 1 8 325 | 1. Grain 2. Cotton 3 Orlseeds 4. Salt | 16,476 2 174 357 | 5,296 | 16,476 2 174 5,653 | 13,76,982 1 000 15,962 4,74,855 | 16,476 2 174 5,653 | 13,76,982 1,000 15,962 4, 74,855 | |
| 8 128 3,172 646 1 raft | 5. Prece-goods 6 Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos | 7 3,651 30,619 10,584 | 41 115 360 3,471 40 o ft. | 3,806 30,979 14,055 40 c ft. | 7,350 50,957 34,72,265 1,10,212 60 | 48 3,806 30,979 14,055 40 a. ft. | 7,350 50,957 34,72,265 1,10,212 60 | detail see next pa |
| 4,840 & 1 raft. | 12. Total | 61,910 | 9,283 40 c ft | 71,193 & 40 c ft. | 55,09,643 | { 71,193 & 40 c. ft | 55,09,643 | |
| 4,882 & 2 rafts | 13. Total of same month last year. | 52,450 & 24 No. | 9,832 | 62,282 & 24 No. | 46,08,322 | 62,262 & 24 No. | 46,08,322 | |
| - | | Up | Down | Total | •• | | Rs. | . 1 |
| lę. Tetal car | number of boats plying go No | 4,328 | 512 | 4,840 | Total tolla, 24+25+ | ge of month 20 | 43,995 | 6 |
| 14a. Ditto | empty " | 1,846 | 1,464 | 3,310 | | e of same mor | nth | |
| | number of boats plying senger No. | 290 | 3 | 293 | last year | | 37,361 | 13 |
| 16. Total car | registered tonnare, go Tons | 157,089 | 34,609 | 191,698 | Ме | morandum of | Tollage. | |
| | registered tonnage, senger Tons. | 845 | 16 | 861 | | | - | |
| 8. Ton-n | nileage | 1,442,340 | 346,250 | 17,88,590 | 1 D1 | | Rs. | ۸. ا |
| 19. Estim | ated value of cargo Rs. | 49,53,103 | 5,56,480 | 55,09,583 | | not recovered st of the mor | | 8 |
| 20. Numb | per of passengers No. | 700 | 10 | 710 | 2. Tollage | nor month | 12 005 | 2 |
| 21. Rafts, | 3. | ****** | | ••••• | -, -onago | Por month | 43,995 | _ |
| | bullahs " | ····· | 40 | 40 | 3. | Total | 45,577 | 15 |
| | ated value of rafts Rs. | 25 510 10 6 | 8 482 14 0 | 60 | 64°6455 | นระบริสัตรัสที่ ใ | 10,017 | |
| 54 E | e on boats ,, | 35,510-12-6 | 8,483-14-0 | 43,994-10-6 | | | | |
| boa | ounded tollage on Rs. | | ···· | ••••• | | paid into tre | | |
| e6. Tollag | ge on rafts ", | | 0-12-0 | 0-12-0 | • mont | | 43,864 | 16 |
| | tollage on boats per lemile Rs. | | | 4 72 pies | Å | | | |
| | tollage on rafts per l cubic feet Rs. | ,,,,, | | 1-14-0 | 5. Balance of the | due at the a | nd 1,712" | 15 |

"ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

| | | | | TOTAL GOVERNMENT | AND PRIVATE. | | | ATB |
|--------------------------------|-----------|---------------|--------|------------------|--------------|-----------|----------|------------------|
| umber of coats or raits. | DBsc | RIPTION. | | Quantity-Tons. | | Value | Quantity | Value. |
| | | | Up | Down. | Total. | Rupees | Tons | Rupees. |
| 1,053 | (a) Jute | | 24,032 | | 24,032 | 26,91,576 | 21,032 | 26,31,576 |
| 117 | (b) Jagg | ery | 608 | 5 | 613 | 60,109 | 613 | 60,109 |
| 6 | (c) Sugar | | 38 | | 38 | 7,525 | 38 | 7,525 |
| 4 | (d) Toba | | 10 | 9 | 19 | 4,200 | 19 | 4,200 |
| 1,142 | (e) Fish | | 196 | | 196 | 55,012 | 196 | 55,012 |
| 9 | (f) Hide | 3 | 15 | | 15 | 3,400 | 15 | 3,400 |
| 56 | (g) Poult | ry | 10 | | 10 | 8,311 | 10 | 8,311 |
| 78 | (h) Hay | and straw | 285 | | 285 | 9,594 | 285 | 9,594 |
| 28 | (j) Oils | ••• | 291 | | 291 | 40,720 | 291 | 40 720 |
| 32 | (k) Earth | enware | 88 | | 88 | 1,236 | 88 | 1,236 |
| 647 | (m) Other | miscellaneous | 5,046 | 346 | 5,392 | 5,90,582 | 5,392 | 5, 90,582 |
| 3,172 | Total Mic | ellaneous | 30,619 | 360 | 30,979 | 34,72,265 | 30,979 | 34,72,265 |

PUBLIC WORKS DEPARTMENT, LRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the m onth of December 1887.

| Number of | 1 | | | Total Governmen | T AND PRIVATE. | | PRIVA | TR, | | |
|---------------------|---------------------------------|-----------------|-----------------------|-----------------|-----------------------------|---------------------|---|-------|--------|----------|
| boats or rafts. | DESCRIPTION. | | | Quantity-Tons | | Value. | Quantity. | Vu | lue. | EKS. |
| | | | l p | Down | Total | Rupees. | Tons. | Ruj | Decs. | REMARKS. |
| 6,287 | 1. Grain | | 15,540 | 1 | 15,541 | 12,33 133 | 15,541 | 12. | 33,133 | |
| 7 | 2. Cotton | | 78 | ••• | 78 | 14,000 | 78 | | 44,000 | |
| 1 | 3. Oilseeds | ••• | 23 | 240 | 23 | 2,925 | 23 | | 2,925 | |
| 55 | 4. Salt | | 411 | 269 | 680 | 57,150 | 680 | | 57,150 | |
| | 5. Piece-goods | ••• | | | | | ••• | | | |
| | 6. Metal | ••• | | | | | | | | 10 |
| 261 | 7. Building mate | rials | • 2,148 | 110 | 2,418 | 12,641 | 2,449 | | 12,641 | |
| 961 | 8. Miscellaneous | | 3,841 | 116 | 3,957 | 5,06,692 | 2,957 | | 06,692 | ٠. |
| 220 | 9. Fuel | ••• | 3,201 | ••• | 3,201 | 15,065 | 3,201 | | 15,065 | m |
| 3 rafts | 10. Timber | ••• | 1,095 c. ft. | | 1,095 c. ft. | 6,310 | 1,095 e ft | | 6,310 | |
| 2 ,, | 11. Bamboos | | 62 ,, | ••••• | 62 ,, | 7 | 62 ,, | | 7 | 1 |
| 7,742 & 5 rafts. | 12. Total | | 25,542 & 1,157 c. ft. | 386 | { 25,928 & {1,157 o. ft. | 18,77,92 3 | $ \begin{cases} 25,928 & \& \\ 1 & 157 \text{ c.ft} \end{cases} $ | } 18, | 77,923 | |
| 8,808 & | , 13. Total of se | ame - | 17,540 & | | (18,491 & | | 18,491 & | | | |
| 8 rafts. | month last y | | 52 No. | 951 | 52 No. | 11,24,874{ | 52 No. | } 11, | 21,874 | |
| | | | Up. | Down. | Total. | | | | Rs. | Α. |
| . Total | number of boats p | lying | | | | Total toll: 24 + 25 | nge of mont | h- | 13,980 | 1: |
| Car | | No | 7,673 | 69 | 7,742 | 5 55 | 0.1839 | | 20,000 | • |
| a. Ditto | empty | " | 1,249 | 426 | 1,675 | Total tol | lage of a | ame | | |
| | number of boats p | lying No | 314 | 16 | 330 | month la | | | 10,026 | 1. |
| 5. Total | | nage, I ons. | 34,820 | 3,839 | 38,659 | | 100 - | ! | - | |
| | registered tonnage, | pas- Tons | 729 | 52 | 781 | A | lemor andum | of To | llage. | |
| , sen | • | | 718,184 | 62,256 | 1 00 mm | | | | Rs. | Δ. |
| | ated value of cargo | Rs | 18,34,369 | 37,237 | 18,71,606 | 1 Balano | e not recov | ioro. | | |
| • | er of passengers | No. | 1,874 | 81 | 1,955 | | the 1st of | the | 479 | |
| | 1.5: | c. ft | 62 | | 62 | | | ••• | 210 | · 3 |
| . Do., | bullahs | ,, | 1,095 | ••••• | 1,095 | 2. Tollage | per month | | 13,980 | 1 |
| 3. Eştim | ated value of rafts | Rs. | 6,217 | 100 | 6,317 | 3. | m -1 ° • | | | - |
| 4. Tollag | ge on boats | ** | 13,006-1-9 | 953-6-0 | 13,959-7-9 | 0. | Total | ••• | 14,460 | |
| 5. Comp bos | | on Rs. | | | | 4. Amo | | | 6 | |
| 6. Tolla | ge on rafts | " | 20-0-0 | 1-8-0 | 21-8-0 | mor | sury during oth | the | 13,838 | 1 |
| 7. Total mi | tollage on boats per le | r ton- Rs, | ••••• | | 3 43 pies | , | | | | |
| 8. Total | tollage on rafts pe bic feet | er 100 Rs. | | | 1-13-8 | 5. Balancof t | e due at the | end | 624 | 1 |

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

| 1200 T # T T T T | | | - | | TOTAL GOVERNME | NT AND PRIVATE. | | PRIVA | TR. |
|---------------------------------|----------------------------|------------------|--------|-------|----------------|-----------------|----------------|-----------|------------------|
| Number of boats or rafts. | | DESCRIPTION. | _ | | Quantity-Tons. | | Value, | Quantity. | Value. |
| | | | | υр. | Down. | Total. | Rupeos, | Tons, | Rupees. |
| 1 | (a) | Jute | | 5 | | 5 | 600 | | 600 |
| 115 | (b) | Jaggery | | 687 | 2 | 689 | 57, 885 | 689 | 57,885 |
| | (c) | Sugar | ••• | | | ••• | | | |
| 8 | (d) | Tobacco | | 55 | 21 | 76 | 14,875 | 76 | 14,875 |
| 240 | (e) | Fish | | 39 | 4 | 43 | 12,119 | 43 | 12,119 |
| 1 | (f) | Hides | | 2 | | 2 | 800 | 2 | 800 |
| 6 | (<i>g</i>) | Poultry | | 2 | ***** | 2 | 560 | 2 | 560 |
| 189 | (h) | Hay and str | raw | 486 | | 486 | 10,218 | 486 | 10,218 |
| 40 | (j) | Oils | ••• | 352 | 27 | 379 | 53,050 | 379 | 53,050 |
| 114 | (k) | Earthenwar | re | 117 | 22 | 139 | 1,943 | 139 | 1,943 |
| 247 | (m) | Other mis neous. | cella- | 2,096 | 40 | 2,136 | 3,51,642 | 2,136 | 3, 54,642 |
| 961 | Total | Miscellaneo | .• · | 3,841 | 116 | 3,957 | 5,06,692 | 3,957 | 5,06,692 |

ABSTRACT FOR THE MONTH OF DECEMBER 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| · | PHARPIC, | 18×7-88 | TRAFFIC | , 1886-87, |
|-----------------------------|------------------|---------------------|------------------|----------------------|
| | During the month | To end of the month | During the month | To end of the mouth. |
| | lts A. P | Rs. A. P | Rs A P. | Re A. P |
| Calcutta and Eastern Cauals | 43,995 6 6 | 2,59 240 8 9 | 37,361 13 3 | 2,19,458 0 6 |
| Telly's Nullah | 13,980 15 9 | 90,597 11 0 | 10,026 15 9 | 66,695 10 0 |
| Total | 57,976 6 3 | 3,49,838 3 9 | 47,388 13 0 | 2,86,153 10 6 |
| | | | | |

CAICUTTA,
The 7th February 1888.

A. D. McARTHUR, Major, R.R.

Under-Secretary to the Gorernment of Bengal.

PUBLIC WORKS DEPARTMENT, PRRIGATION BRANCH, BENGAL. SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS

Statement showing Quantities of Goods carried during the month of December 1887.

| | | | TOTAL GOVERNME | NT AND PRIVATE. | | Priv | ATR. | |
|--|--|---------------------------------------|---|--------------------------------------|---|------------------------------------|----------------|----------|
| nber of pats rafts | DESCRIPTION | | Quantity-Tons. | | Value | Quantity | Value. | REMARES. |
| | | Up | Down | Total. | Rupecs | 1 ns | Rupees. | REM |
| 756 | 1. Grain | 266 | 8,112 | 8,378 | 4,13,105 | 4,374 | 4,13,105 | |
| | 2 Cotton 3. Orlseeds | ••• •• | | 1 202 | 1 00 104 | 1.707 | 1 | |
| 155 | 1 9-14 | 9 5 11 | 1,695 | 1,727 | 1,89,104 | 1 727 | 1,89,104 | |
| 424 | 5 Piece-goods | 2,541 | | 2 541 | 2,13,462 | 2,541 | 2,1.,462 | |
| 30 | C Matal | 139 | | 139 | 29,510 | 139 | 29,510 | |
| 22 | 7 Building materials | | 69 | 140 | 5,933 | 140 | 5,933 | |
| 973 | 8 Miscellaneous | 1 763 | 30 cm a 156 cm 1 | 8 063 | 11,77,699 | | 14,77,699 | |
| 75 | 0 11 1 | 541 | 6,240 | 67.3 | 5,7.65 | 67.3 | 5,735 | |
| Section (| 10 70 1 | 65 c ft | 26,729 e ft | 26,794 c. ft. | | 26,794 c ft | 37,3,7 | |
| aits | 11 7) | 03 6 16 | 13 4 . 311 3 | | | 21,253 | 2,285 | |
| " | 11. Daniboos | | 24,283 " | 21,252 ,, | 2,207 | ٠,٤٦٥ ., | 3,200 | |
| 435 | | 5,354 | 16,247 | 21,601) | (| 21,601 | 1 | |
| | 12. Total | 13 6 | 10,21. | , d } | 23,74,190 | 4 | 2374,190 | |
| afts | | i wet | 51,011 c ft | 51 076 e ft 5 | ```,```,````\ | 51,076 · ft. | (, , , , , , | |
| | 10 m/1 t | 4,9,1 | 13,225 | 18,176 | | 18,176 |) | |
| 15 & | 13. Total of same | 1 . | & | 3 | 19,64,052 | d | >19,61,052 | |
| afts | month list year | 1 (116 c ft | 13,016 c ft | | | 13,132 e ft | j ' ' | |
| | | Įр | Down | Total | 1 | | D _n | |
| Tata | l number of boats ply- | | | i | 1 | | ns. | Α. Ι |
| | cargo No | 960 | 1,475 | 2,135 | Total tolla | ge of mout | h_ : | |
| | pitto empty boars, | | 1,770 | ~, t " | 24 + 25 | | 13,270 | 9 |
| | umers &c. No | 826 | 71 | 900 | ~ + ~ 0 | T 20 | 10,210 | J |
| | l number of boats ply- | 0.20 | 11 | 300 | | | | |
| | passenger No | 570 | 574 | 1,111 | Total toll | ngo of s | ame | |
| | oty boats No | 25 | 76 | 101 | month las | | 11,147 | 9 |
| Loto | l registered tonnage, | ~~ | 10 | 101 | I month las | 1 3611 | | 0 |
| car | | 19,716 | 32,153 | £1 000 | | | | |
| | l registered tonninge, | 10,110 | 02,100 | 51 869 | 75 | santannanning k onon - e-e- | | |
| | senger Tons | 371 | 352 | 701 | 1 2/16 | morandum o, | Tounge. | |
| | | 0/1 | 002 | 723 | | | | |
| l'on- | milenge . | | | | | | Rs | Aľ. |
| Estin | nated value of eargo Rs. | 7,21,542 | 16,13,066 | 23,31,548 | 1 Balance | not recover | | |
| | Take Sv | | ,,,- | 40,01,717 | | e 1st of 1 | | |
| | ber of passengers No. | 883 | 1,570 | 2,453 | month | | . 1,196 | 1 9 |
| Num | | | 24,282 | 21,383 | month | 73 | , | • " |
| | s, bamboos e ft | 44211 | WT.4016 | ~1,000 | 11 | | 13270 | 9 1 |
| Raft | | 65 | | 26 791 | 2. Tolla re u | er month | | |
| Rafts Do | , bullahs ,. | | 26,729 | 26,791 39,642 | 2. Tollage p | er month | | |
| Rafte Do Estin | , bullahs ,, nated value of ratts Rs | 65 165 | 26,729 39,477 | 39 642 | | | | 0 10 |
| Rafte Do Estin Folla | , bullahs ,, anted value of ratts Rs ge on boats ,, | 65 | 26,729 | | 2. Tollage p | Total | . 11,466 1 | 0 10 |
| Rafte Do Estin Tolla | , bullahs ,, nated value of ratts Rs ge on boats ,, counded tollage on | 65 165 | 26,729 39,477 7,956-15-0 | 39 642 12,789-9-4 | | | | 0 10 |
| Rafta Do Estin Folla Comp | , bullahs ,, nated value of ratts Rs ge on boats ., counded tollage on | 65 165 4,832-10-4 | 26,729 39,477 | 39 642 | 3. | Total | . 11,466 1 | 0 10 |
| Rafte Do Estin Tolla Comp boar | , bullahs ,, nated value of ratts Rs ge on boats ., counded tollage on | 65 165 4,832-10-4 | 26,729 39,477 7,956-15-0 | 39 642 12,789-9-4 | 3. 4. Amount treasur | Total paid in y during the | . 11,466 1 | |
| Rafte Do Do Estin Folla Comp boas Folla | bullahs ,, nated value of ratts Rs ge on boats ,, counded tollage on ts ge on rafts Rs | 65 165 4,832-10-4 | 26,729 39,477 7,956-15-0 | 39 642 12,789-9-4 | 3. 4. Δmount | Total paid in y during the | . 11,466 1 | |
| Rafte Do Estin Folla Comp boad Folla Tota | bullahs nated value of ratts Rs ge on boats counded tollage on ts ge on rafts Rs l tollage on boats per | 65 165 4,832-10-4 0-15-0 | 26,729 39,477 7,956-15-0 | 39 642 12,789-9-4 | 3. 4. Amount treasur | Total paid in y during the | . 11,466 1 | |
| Rafts Do Estin Folla Comp boas Folla Tota ton- | bullahs nated value of ratts Rs ge on boats counded tollage on ts ge on rafts Rs l tollage on boats per mile | 65 165 4,832-10-4 | 26,729 39,477 7,956-15-0 | 39 642 12,789-9-4 480-15-9 | 3. 4. Amount treasure month | Total paid in y during th | . 11,466 1 | |
| Rafts Do Estin Folla Comp boas Folla Tota ton- Fotal | bullahs nated value of ratts Rs ge on boats counded tollage on ts ge on rafts Rs l tollage on boats per | 65 165 4,832-10-4 0-15-0 | 26,729 39,477 7,956-15-0 480-0-9 | 39 642 12,789-9-4 480-15-9 | 3. 4. Amount trensm month 5. Balance d | Total paid in y during th | . 11,466 1 | 0 2 |

· Boats in these rivers do not pay per mils.

Abstract for the month of December 1887, as compared with the corresponding month of the previous year

| | | 1 | 187 -8 8. | 180 | 50 57 |
|---|--------|-------------------|----------------------|--------------------|---------------------|
| | , | During the month. | To end of the month, | During the is uth. | To end of the month |
| 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm 100 mm | | Rs. A P. | Rs. a. P. | Rs. A. P. | Rs. A. P. |
| ينو | •• | 13,270 9 1 | 1,71,975 8 7 | 11,147 3 6 | 1,73,392 3 € |

274 SUPPLEMENT TO THE CALCUTTA GAZETTE, FEBRUARY 8, 1888.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 1th February 1888, as command with the corresponding week of the previous year.

| | | | | DING SATURE I I BBRUARY I | | | DING BATURI H FEBRUARY | |
|---|----------|----------|------------------------------|--|----------------------------------|----------------------------|--|----------------------------------|
| NATURE | JP (ABGO | | Number of boats | Weight of cargo. | Tollage | Number of boats | Weight of | Tollage |
| | | | No | Mds | Rs. | No. | Mds. | Rs |
| Rice and paddy Jute Firewood Other articles | | :: :: | 2,194 139 131 1,070 | 4,89 106 96,813 65,2-5 3,07,685 | 8 568 1,692 1,021 3,957 | 1 912 125 130 971 | 4,00,746 79,641 1,01,225 2 60,210 | 7,424 1 361 1,364 3,639 |
| | Total | | 3,534 | 9,58,829 | 15,238 | 3,138 | 8,41,922 | 18,586 |

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 28th January 1888. on 1.513 miles open.

| , | Covenia | TRAPPIC. | MERCHANDISE TRA | AND MINERAL | Other earnings | Total | TRAFFIC | TRAIN-MIL | BS RUX. |
|--|-----------------------|--------------------------|--------------------|---------------------------|-----------------------|---------------------------|-----------|-------------------|---------|
| | Number of passengers. | Couching receipts. | Weight carried. | Receipts. | (estimated). | earnings. | Coaching. | Merchan- dise. | Total. |
| | | Rs. A. P. | Mos. s. | Rs. A. P. | Rs. A. P. | Rs. A.P. | | | |
| total traffic for the week or per inite of railway for previous 3 weeks of half- | 269,389 : | 3,14,712 2 0 207 14 7 | 27,78,457 20 | 6,67,511 1 0 -140 15 5 | 19,554 1 0 12 14 7 | 10,01,777 4 0 661 12 7 | | 105,861 | 169,433 |
| yes] | 797,162 | 9,48,110 5 0 | 84,03,397 10 | 19,63,124 7 9 | 60,428 13 0 | 29,71,663 9 9 | 190,624 | 315,5252 | 509,150 |
| Comparison. | 1,060,551 | 12,62,822 7 0 | 1,11,81,851 30 | 26,30,635 8 9 | 79,952 14 0 | 39,73,440 13 9 | 251,105] | 421,3871 | 578,58 |
| otal for corresponding week of previous year er mile of railway corresponding | 277,071 | 3,10,528 0 0 | 25,46,012 30 | 6,66,716 8 3 | 17,738 P 2 | 9,94,983 1 6 | 66,962 | 102,935 | 169,59 |
| week of previous year of | | 204 15 6 | | 410 1 3 | 11 11 4 | 656 12 4 | | | ***** |
| previous year | 967,988 | 11,14.362 14 3 | 1,03,64,044 20 | 26,81,894 13 0 | 74,841 4 6 | 38,71,098 15 9 | 276,157 | 439,716 | 715,873 |

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| Total | Total | M 18T | L RECEIPTS FRO 1887 TO 28TH J. 1888. | APBIL. | | L RECEIPTS PRO 1886 TO 291 H JA 1887. | | | 18 FOR WEEK I JANUARY 18 | | RNDING 887. | TAPOR WEEK I JANUARY 1 | RECEIPT 2911 |
|----------------------|----------------------|---------------------------------------|--|----------------------------|---------------------------------------|---|-------|------------------------|-----------------------------|----------------------------|----------------|---------------------------|----------------------------|
| decrease is 1888. | increase in 1888. | Per mile worked per week, | Total receipts. | Mean mileage worked. | Per mile worked per week, | Total receipts. | | Per mile worked. | Receipts. | Mean mileage worked. | | Receipts. | Mean Lilenge Torked. |
| Ra. | Rs. | ítn. | Rs. | | Rs. | Re. | | Rs. | Ra. | | ks. | Rs. | |
| 7,38,893 | | 574 | 3,74,11,123 | 1,516 2 | 586 | 3,81,50,016 | 1,515 | 662 | 10,01.777 | 1,5132 | 657 | 0,94,983 | 1,515 |

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th January 1888, on 57; miles open.

| Committee of Committee Com | COACRING | TRAFFIC | | MERCHANDISE TRAF | | Other earning | | Tota | al | TRAPPIC | TRAIN-MIL | es Run. |
|--|-----------------------|--------------------|-------|---------------------|----------------------|------------------|---|--------------|-------|-----------|-------------------|---------|
| | Number of passengers, | Coachir receipt | | Weight carried. | Receipts. | (estimated). | | Carnii | nga. | Conching, | Merchan- dise. | Total. |
| | | Bs. | A. P. | MB8. #. | Re. A. P. | Rs. 4. P | | Rs. | A. P. | | | |
| Potal traffic for the week Or per mile of railway For previous 3 weeks of half- | 13,717 240 | 7,849 137 | 10 0 | 27,258 0 476 30 | 1,860 3 0 \$2 8 4 | 30 12 0 0 8 7 | | 9,740 170 | 9 0 | 1,911 | 5117 | 2,508 |
| year | 39,219 | 21,302 | 6 0 | 1,04,924 20 | 6,423 9 0 | 90 9 0 | _ | 27,815 | 8 0 | 5,412 | 1,834 | 7,296 |
| Total for 4 weeks | 52,936 | 29,153 | 0 0 | 1,32,082 20 | 8,282 12 0 | 121 5 0 | | 37,556 | 1 0 | 7,323 | 2,481 | 9,804 |
| COMPARISON. | | | | | | | | | | | | |
| Por mile of railway correspond- | 12,812 | ₽ 790 | 3 9 | 49,198 20 | 3,335 11 0 | 74 0 9 | | 10,199 | 15 6 | 1,669 | 725 | 2,394 |
| ing week of previous year | 224 | 118 | 11 4 | 860 0 | 58 5 1 | 1 4 9 | | 178 | 5 2 | | | ***** |
| resident to corresponding date of previous year | 47,081 | 23,794 | 1 2 | 1,77,367 10 | 13,103 8 0 | 223 4 6 | | 36,120 | 13 8 | 7,037 | 8,059 | 10,096 |

Approximate Stutement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1893.

| RECEIPT 29T1 | s for werk I January 1 | RNDING 887. | | ts for werk H January 1 | | | L RECEIPTS YROUNG TO 24 JANUARY 1887 | TH | | L RECRIPTS FRO PRIL 1887 TO 2 JANUARY 1888 | STIL | Total | Total |
|---------------------------|---------------------------|----------------|----------------------------|----------------------------|-----|-----------------------------|---|---------------------------------------|----------------------------|--|---------------------------------------|-------|----------------------|
| Meson filese forked | Receipts. | | Mean mileage worked. | Receipts. | | Mean miles ge worked. | | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | 1888. | decrease in 1888, |
| m | Re. 19,200 | Rs. | | Ra. 0,741 | Ra. | *87 <u>i</u> ! | Ra. | Ra. 178 | 67] | Rs. 4,15,384 | lts. 169 | | Re. 22,386 |

DILDARNAGAR-GHAZIPUR STATE RAILWAY

Approximate Return of Fraftic for week ended 28th January 1888, on 12 miles over

| | _ | | | | | | | - | | | - |
|--|----------------------|-------------------|--------------|-------------|------|--------------------|------------------|--------------------------|-----------|------------------|-------------|
| | Содсии | g Trappi | c | | RAF! | AND MINERAL | Other earnings | Potal earnings | TRAFFIC | TRAIN-MIL | ES RUN |
| | Number of passengers | Conchin recent | 2.5 | Weight carr | n d | Receipts | (esum ited) | | Coacl ing | Merchan- dise | Total |
| SZ -CWANN | | Rs | A P | MDS | 8 | Ra A P | Ra A P | Ra A P | | | 1013/01/100 |
| Total traffic for the week Or per mile of tailway For previous I weeks of half- | 3,0_3 | | 12 0 13 0 | 4 615 | 30 | 292 14 0 23 9 2 | 30 4 0 0 11 0 | 79 · 2 · 0 66 · 4 · 2 | 33 1 | 154 | 4034 |
| year | 1090 | 1 800 | 19 0 | 97 "43 | -0 | 1 (29 7 0 | 28 8 0 | 3 527 12 0 | 1 034 | 416 | 1,480 |
| Total for 4 weeks | 13 983 | _ 971 | 9 0 | 1 02 5 7 | 10 | 1,912 5 0 | 39 0 0 | 4 3.4 14 0 | 1 374 | 600 | 1 974 |
| Total for corresponding wick of previous year Per mile of railway corre sponding week of it vious | 3 3934 | 564 | 6 5 | 16 4 51 | 31 | 343 15 0 | 200 | 950 5 5 | 350 | 113 | 403 |
| year Total to corresponding date of | | 47 | 0 6 | | | 31 15 11 | 0 2 8 | 79 3 L | | | |
| previous year | 11 275 | 1 493 | 4 3 | 74 -14 | 16 | 1 705 10 0 | 20 11 9 | 3 679 10 W | 1 442 | 61 | 2 043 |
| | 7 | | | Į. | - 4 | | | 31 | 1 | | |

Approximate Statement of gross receipts of the Dildarnagar-Ghazipus State Railway, prepared in accordance with Public.

Works Department (incular No AAI, Railway, dated 23rd July 1883)

| | PTS FOR WILL | | | TS FOR WEEK II JANLARY I | | Δ1 | RECRIPTS FROM | HIL | Att | RECRIPTS I R RII 1887 TO 24 JANUARY 1899 | | Total | Total |
|---------------------------|--------------|----------------------|--------------------------|-----------------------------|------------------|----|----------------|-----|---------------------------|--|----------------------------------|---------------------|------------|
| Mean mile up worked | Koreip × | For til whered | Mean nicked worked | Recupts | Por mile weake t | | I tal receipts | | Mean mileage worked | Total receipts | ler me wiked jr week | 12 Tenso 11 1888 | decreme in |
| , | Rs | Rs | | Rx | Rq | 3 | Нĸ | Rs | | Rs | Rs | Rs | |
| 12 | 9 0 | 79 | 12 | 795 | 68 | 12 | (4 419 | 75 | 19 | 39 714 | 77 | 895 | |
| _ 1 | | 1 1 | | | | | | 1 | <u>'</u> ' | | 1 | | (a) |

SINDIA STATE RAILWAY

Approximate Keturn of Traffic for week ended 28th January 1888, on 74' miles open

| | COACHING | TRAPPIC | | MERCHANI |) IBB LEAF | | BB/ | | | | | | TRAPPIC | THAIN-WILE | RUA |
|--|----------------------|-------------|--------------|----------|---------------|--------------|-----|---|-------------------------------|--------------|-----|-----|----------|------------|-------|
| l | Number of passengers | Conchir | | Weight | | Receip | | | Other earnings (estimated) | Total ea | nir | ıça | Coaching | Merchan | Tota |
| | | Rs | A F | MD | | Rs. | • | P | Rs A P | Rs | | P | | | |
| focal craffic for the wik | 4 646 | 8 629 88 | 6 0 7 1 | | 0 | 3 997 5 5 | | 0 | 125 10 0 1 10 10 | 7,7 u 103 | | 0 | 6861 | 1 898 | 2 09 |
| For previous 3 weeks of half- | 13 701 | 10 412 1 | 1 0 | 2 5*,654 | 0 | 15 205 | b | 0 | 848 7 0 | 25 966 | 11 | 0 | 1,971 | 5,1832 | 7,154 |
| Total for 4 weeks | 18 947 | 14 036 | 1 0 | 9 47 911 | 0 | 19 203 | 0 | 0 | 474 1 0 | 93,71 | 3 2 | 0 | 2 65-} | 8 81\$ | 9 2 9 |
| COMPARISON | | | | | | | | | | | | | | | |
| fatal for corresponding week of previous year Per mile of railway correspond | 5 3.2; | 3 898 7 | 1 10 1 11 | 1 | 6 30 | 5 984 | | | 70 7 6 | | | | | 1,281 | 2,04 |
| ing week of previous ve it Otal to corresponding date of previous year | 22 344 | 16 (72 | | 1 | 5 20 | 23,7(3 | | 0 | 369 10 0 | 40,80 | | 11 | 2018 | 5,190 | 8,13 |

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works

Department Circular No XXI, Railway, dated 23rd July 1883

| ESCRIPT 29T | B FOR WEEK | ENDING 1887 • | RECEIPT 2811 | S FOR WERK | FNDING 888 | | L RECEIPTS PRO PRIL 1856 TO 2 JANUARY 1887 | BTH | 41 | J RECKIPTS PROPERTY ISSE | | Total increase | man degrees |
|--------------------------|------------|------------------|---------------------------|-------------|-----------------------|---------------------------|--|------------|---------------------------|--------------------------|--------------------------------------|----------------|-------------|
| Mean misuse vorked | Receipts | | Mean mileage worked | Receipts. | Per mile worked | Mean mileage worked | iotal receipts. | | Mean mileage worked | Total receipts | Per mile worked per week | in 1888 | in 1866 |
| 742 | K. 6 | Rs 138 | 742 | Re 7 748 | Ra 104 | 742 | Ra. 3,23,600 | 8a. 101 | 745 | Ks , 3,68,116 | Re. 114 | Rs 49,516 | ; ,,, |

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 28th January 1888, on 221 miles open.

| o. | COACHING | TRAFFIC. | | AND MINERAL, | Other carnings | Total | TRAPPIC | TRAIN-MIL | es Ruk. |
|---|-----------------------|----------------------|--------------------|--------------------|----------------|-----------------------|-----------|-------------------|---------|
| | Number of passengers. | Conching receipts. | Weight carried. | Receipts. | (estimated). | carmngs. | Coaching. | Morchan- dise. | Total |
| | P. Committee | | | | 2220 2 | | | | |
| | | Rs. A. P. | Mps. 8. | Rs. A. P. | Rs. A. P. | KS. A. P. | | | |
| Total traffic for the week Or per mile of railway For previous 3 week of half- | 22,015 | 5,565 0 0 2 0 0 4 | 8,056 10 | 262 7 0 11 12 9 | 6 8 0 0 4 8 | 5,831 15 0 262 1 9 | 885 | 63 | 966 |
| yest | 55,021 | 13,794 1 0 | 20,689 10 | 654-11 0 | 14 € 0 | 14,463 2 0 | 2.719 | 185 | 2,904 |
| Total for 4 weeks | 77,038 | 19,357 1 0 | 28,755 20 | 917 2 0 | 20 14 0 | 20,295 1 6 | 3,604 | 268 | 3,878 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year Per mile of railway correspond- | 18,067 & | 4,516 12 6 | 7,189 20 | 201 10 0 | 4 2 0 | 4,725 & 6 | 917 | 51 | 968 |
| ing week of previous year | | 203 0 0 | | 9 3 2 | 0 3 0 | 212 6 2 | 1 | | |
| Potal to corresponding date of previous year | 69,8861 | 17,351 15 7 | 27,759 0 | 886 5 0 | 21 11 3 | 18,262 15 10 | 3,994 | 168 | 4,070 |

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works
Department Circular No. XXI, Railway, dated 23rd July 1883.

| Total | Total | DM 18T NUARY | RECKIPTS PRO 887 TO 28TH JA 1885. | APRIL I | | 1886 TO 29TH J. 1887. | | | S FOR WEEK I JANUARY | | VEEK LY 1887. | ERIPTS FOR V 29TH JANUA | Re redin |
|-------------------|----------------------|--------------------------------------|---|---------------------------|---------------------------------------|--------------------------|---------------------------|---------|-------------------------|----------------------------|-----------------------|----------------------------|-------------------------|
| deeresse 1889, | Increase in 1888. | Per mue worked per week. | otal receipts. | Mean mileage worked | l'er mile worked per week | Total receipts. | Mosn mileage worked | | Receipts. | Mean mileage worked. | Per mile worked | Receipts. | lenn lenge orked. |
| | Rs. 18.707 | Rs. 221 | Rs. 2,13,672 | 221 | Rs. 204 | Rs. 1,94,965 | 221 | Rs. 262 | Rs. 5,832 | 221 | Rs. 212 | Rs. 4,726 | 291 |

ASSAM-BEHAR STATE RAILWAY

(PUBNEAR SECTION.)

Approximate Return of Traffic for week ended 21st January 1888, on 39 miles open.

| | COACHING | TRAFFI | c. | MERCHAND | | AND MIN | RHAL | 1 | ther ear | nings | 2 | 12040 | | * | C TRAIN-MIL | ES EUR. |
|--|----------------------|--------|--------|-------------------|----|---------------|------|---|----------|-------|-------------|-------|------|-----------|-------------|---------|
| | Number of passengers | Coach | 000000 | Weight carned. | | Receip | ıls. | | (estimat | ed). | Total ear | шп | IKN. | Coaching. | Morchan- | Total. |
| | | Rs. | A. P. | M Ds. | 8. | н. | A. P | 1 | Rs. | A. P. | Rs. | ۸. | Р. | - | i | |
| otal traffic for the week or per mile of railway or previous 2 week of half- | 2,581 66 | | 0 0 | | | , 1,390 86 | 0 0 | | 15 | 0 0 | 2,245 58 | 0 | | 546 | 546 | 1,00 |
| year | . 6,252 | 1,811 | 0 0 | 35,256 | 0 | 3,022 | 0 0 | 1 | 30 | 0 0 | 4,863 | 0 | 0 | 1,092 | 1,602 | 2:164 |
| Total for 3 weeks | 7,833 | 2,051 | 0 0 | 49,686 | 0 | 4,412 | 0 0 | | 45 | 0 0 | 7,108 | 0 | 0 | 1,658 | 1,638 | 3,27 |
| COMPARISON. | | | | | | | | | | | | | | | | |
| otal for corresponding week of previous year er mile of railway correspond- | | | • | | | | | | | | | 8 | | | | |
| ing period of previous year otal to corresponding date of | | *** | œ | •••• | | •••• | • | | 1.1 | | | e e | | | | ****** |
| previous year | | | • | t man | | | | 1 | ***** | | | | - 4 | | | ****** |

FINANCIAL YEAR

Approximate Statement of gross receipts of the Assam-Behar State Railway.

| | S FOR WERE | | RECEIPT | TOR WERE | BNDING 888. | Λ | RECRIPTS FRO PRIL 1886 TO 32: JANUARY 1887. | N1) | | L RECEIPTS FRO APRIL 1887 TO ST JANUARY 188 | 88, | Total increase | mass 1 4 |
|----------------------------|------------|------------------------|----------------------------|-----------|-----------------------|---------------------------|---|--------|----------------------------|---|---------------------------------------|----------------|-------------|
| Mean mileage sorsed. | Receipts | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked | Mean nulcage worked | Total receipts. | | Mean mileage worked. | Total receipts. | Per mile worked per week. | in 1887-88. | in 1887-88. |
| | Rş. | Be. | | Ra. | Rs. | | Ra, | Rs. | | Rs. | Rs. | Rs. | |
| | | | 89 | 2,245 | 58 | | ***** | 11.781 | 30 | 94,504* | 58 | 94,504 | ••••• |

[·] Audited up to week ending 3rd December 1887.

EASTERN BENGAL STATE BAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS). Approximate Keturn of Traffic for week ended 21st January 1888, on 645 miles open.

| | COACHIN | д Твауб | ıc. | | MEBCHAN | | Pric. | KRAI | Other ear | | | Tot | a) | | TRAFFIC | TRAIN-MIL | ES RUN. |
|---|-----------------------|----------------|-----|----|--------------------|----|-----------------|-------|-----------|----|----|-----------------|------|----|-----------|-------------------|---------|
| | Number of passengers. | Conch | | | Weight carried. | | Receip | te. | Steam-k | | | earair | ngs. | 9 | Coaching. | Merchan- dise. | Total |
| | | Rs. | ۸. | Р. | Mps. | 8, | Rs. | A. P. | Rs. | ۸. | P. | Rs. | ۸. | р, | | | _ |
| For previous 2 week of half- | 116,519 181 | 61.660 100 | | | 4,73,583 734 | | 1,01,897 158 | 0 0 | | | 0. | 1,79,265 261 | | | 21,422 | 20,187 | 41,00 |
| yest | 231,749 | 1,20,434 | 0 | 0 | 9,66,361 | 0 | 2,16,004 | 0 0 | 23,700 | 0 | 0 | 3,61,128 | 0 | 0 | 42,681 | 43,905 | 80,670 |
| Total for 3 weeks | 348,268 | 1,85,100 | 0 | 0 | 14,30,943 | 0 | 3,18,801 | 0 0 | \$6,402 | 0 | 0 | 5,10,393 | 0 | 0 | 64,103 | G4,182 | 128,28 |
| COMPARISON. | | | | - | | | ľ | | | | | | | - | | | |
| Total for corresponding week of previous year | 115,835 | 62,576 | U | 0 | 4,49,052 | 0 | 82,499 | 0 0 | 12,634 | 0 | 0 | 1,57,109 | 0 | 0 | 19,846 | 17,903 | 87,841 |
| ing period of previous year Total to corresponding date of | 101 | 103 | 0 | 0 | 741 | 0 | 136 | 0 0 | 3 | 0 | 0. | 242 | 0 | 0 | | | |
| provious year | 396,328 | 1,76,740 | 0 | 0 | 12,84,845 | 0 | 2,43,599 | 0 0 | 31,950 | 0 | 0 | 4,52,289 | 0 | 0 | 60,870 | 49,407 | 110.277 |

[·] Exclusive of Steam-boat carnings.

FINANCIAL YEAR.

Approximate Statement of grass receipts of the Eastern Bengal State Railway.

| | | | APRIL 1887 TO T JANUARY 188 | | onestrates in | APRIL 1856 TO D JANUARY 188 | | | IS FOR WEEK JANUARY IS | | | D JANUARY | |
|---------------------------------|----------------------------------|---------------------------------------|--------------------------------|----------------------------|---------------|--------------------------------|----------------------------|-----|---------------------------|----------------------------|-----|-----------|----------------------------|
| Togai decrease : 1887-88. | Total incresse in 1887-88. | Per mile worked per week, | | Mean mileage worked, | | Total receipts. | Mean mileage worked. | | Receipts. | Mean mileage worked. | | Receipts. | Mean mileage worked. |
| 1 | ₽ĸ. | Rs. | Ra. | | Rs. | Re. | | Rs. | Rs. | | Rs. | Rs. | £ |
| , | 10,55,231 | 289 | 78,12,590* | 645 | 268 | 67,57,859 | 606 | 278 | 1,79,265 | 615 | 259 | 1,57,109 | 808 |

^{*} Audited up to 3rd December 1887.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 21st January 1888, on 125 miles open.

| | COACHING | TBAFFI | с. | МЕНСИАМ | | AND ME | YERA | 14 | Other ear. | nings | Total | ٠ | TRAFPI | c Train-mii | RS BUN. |
|---|-----------------------|-------------|-------|--------------------|-----------|-------------|-------|----|------------|------------|-------------------------------|-------------|-----------|-------------|----------|
| | Number of passengers. | Coach | | Weight carried. | | Rece | ipts. | | (estimate | ed). | TOTAL CAL | mng | Conching. | Merchan- | Total. |
| | | Rs. | A. P. | M ds. | B. | Rs, | A. 1 | | Rs. | l. P. | Re. | 4. 1 | | | <u> </u> |
| Petel traffic for the week Or per mile of railway For previous 2 weeks of half- | 22,811 | 8,550 68 | 0 0 | 27,501 300 | | 3,790 31 | 0 (| | 40 | 0 0 | 1 2,38 0 9 9 | 0 (| | 1,709 | 5,81 |
| year | 41,54)0 | 14,916 | 0 0 | 75,045 | 0 | 7,377 | 0 (| 0 | 120 | 0 0 | 22,413 | 0 (| 7,008 | 8,418 | 30,48 |
| Total for 3 weeks | 64,511 | 22,466 | 0 9 | 1,13,446 | 0 | 11,167 | 0 (| 2 | 160 | 0 0 | 34,793 | 0 (| 10,503 | 6,127 | 15,6% |
| COMPARISON. | | | | | | | | | | | | | | | |
| Total for corresponding week of previous year Per mile of railway correspond- | 21,728 | 555 | 0 0 | 21,503 | | 1,409 | | 1 | 61 (| | 9,815 | 0 (| 8,745 | 1,465 | 8,210 |
| ing period of previous year | 174 | 67 | 0 0 | 178 | 0 | 11 | 0 4 | | 1 4 | a 0 | 79 | 0 6 | | | |
| previous year | 70,357 | 24,000 | 0 0 | 86,346 | 0 | 4,1114 | 0 1 | 0 | 117 | 0 0 | 28,827 | 0 0 | 11,747 | 4,833 | 10,100 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Bailtony.

| Total | Total | | APRIL 1887 TO T JANUARY 188 | | 1 | APBIL 1886 TO D JANUARY 10 | 100 | | | RECTS FOR WRITE REDING RECEIPTS FOR WI | | | | | | |
|----------|----------------------|---------------------------------------|--------------------------------|----------------------------|--|-------------------------------|-----------------------------|-----|-----------|--|------|-----------|----------------|--|--|--|
| decree-i | 1007488e in 1667-48. | Per mile worked per week. | Total receipts. | Menu mileage worked. | Per mile worked: per week. | | Mean infleage worked. | | Receipts, | Mean intleage worked. | | Receipts. | Mean please | | | |
| | Ra, | Rs. 101 | Ra. | | Re, | Ra. | | Ra. | Rs. | | itn. | Rs. | | | | |
| | 74,468 | , | 5,82,482* | 125 | 87 | 4,57,817 | 125 | 99 | 12,380 | 126 | 79 | 9,815 | 123 | | | |

DACCA STATE RAILWAY

Approximate Return of Traffic for week ended 21st January 1888 on 86 miles open

| | DOACHING | TRAPPI | C | | | | PEIC MINER | \ L | Other carning | Za | I talear | | | I RAPPIC | PRAIN-MILE | 8 RUN |
|---|----------------------|-------------|---|---|-------------|-----|------------------|-----|---------------|----|-----------|---|-----|----------|-----------------|-------|
| | Number of passengers | Conch | | | Weight carr | ıod | Rec 114 | | (catimated) | | · inthat | | Ka | (aching | Merchan dise | Lotal |
| | | Rs | ٨ | P | Мрч | 8 | Ru A | P | Rs A F | | 15 | | P | - | | |
| Potal traffic for the week Or per mile of railway For previous 2 weeks of half- | 13 634 159 | 5 82° 68 | | | 10 30 t | | 1 5 10 0 17 0 | | 1 | | 7 5 | 0 | 1 | 2 001 | 963 | 2,96 |
| year | 27 784 | 10 25) | 0 | 0 | 37 90 , | 0 | 11-0 0 | 0 | 90 0 | 0 | _ 14 91) | 0 | 0 | 11(3 | 1,765 | 5,02 |
| Total for 3 weeks | 41 418 | 16 084 | 0 | 0 | 48 40 | 0 | 7 970 0 | 0 | 15) 0 (| 0 | 22 201 | 0 | 0 | 1 10 1 | 2 729 | 8,89 |
| COMPARISOR Total for corresponding week of previous year Per mile of railway correspond | 12 538 | 6,138 | 0 | 0 | 11 352 | 0 | 200 0 | | 626 0 | | 8 761 | | 200 | 0118 | 882 | 3,010 |
| ing period of previous year Total to corresponding date of | 116 | 72 | 0 | 0 | 132 | 0 | 23 0 | 0 | 7 0 0 | 0 | 102 | 0 | 0 | | | |
| DLUATORS AGEL | 38,487 | 11 439 | 0 | 0 | 30 316 | 0 | 4 512 0 | 0 | 713 0 (| 0 | 19 933 | 0 | 0 | C 911 | 2 194 | 9 40 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway

| - | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|--------------------------|--------------------------|--------------------|---------------------------|---|-------------------------------|---|--------------------------------|------------------------------|---------|-----------------------|
| RECEIP 22N | TO FOR WIFE | RNDING 867 | | rs for week Januari 1 | | CIT- | RECEILTS FRO AIRII INNO I ND JANUARY II |) | 100000000000000000000000000000000000000 | APRIL 1897 IC ST JANUARY 18 | | T tal | Total |
| Mean mileage worked | Receipts | Per mile worked | Mean mile-e worked | Receipts | In uil wakid | Mean n deage werked | Total receipts | Pr ml wikid p w k | Mean milcage worked | Total receipts | Per mile worker per | 1857 8× | decreas in 1887 88 |
| - | | - | | | i | | - | e . | | | 1 | | |
| | Rs | Rs | | Rs | Pq | | Re | Rs | | Rs | Rs | hs | |
| 88 | 8,764 | 102 | 86 | 7 395 | 86 | 80 | 2 15 3 6 | 60 | 86 | 2 47,806* | 69 | 32 500 | 2 |
| | | 1 | | - | 1 | ļ | | 1 | 1 | | | | |

[•] Au inted up to week ending 3rd December 1887

NALHATI STATE RAILWAL

Approximate Return of Iraffic for the neck ending 28th January 1888, on 271 miles open.

| | (DACHIN | G IBAPPI | С | | TEAB | OND MINBRAI | - 1 | | TEAPPIC | TRAIN-MILI | RS BUX |
|---|----------|--|-------------|-----------------|------|--------------------|-------------------------------|-----------------------|----------|------------------|---------|
| | Numb rof | Conclunation of the Conclusion | | Wright | | Receipts. | Other enimngs (estin sted) | Total earnings | (osching | Merchan- dise | Potal |
| | | Rs | A P | Мия | 8 | Rall | Rs A P | RD A P | - | T - | |
| Total traine for the week Or per mile of railway For previous 3 weeks of half | 3,984 | 1 190 +3 | 0 0 11 0 | 1 1 KF 1 729 | | 947 0 0 34 12 0 | 12 0 1 | 2 14) 0 0 78 14 0 | 10) | 254 | 763 |
| Year y mean of man | 817 | 2 104 | 0 0 | 54 549 | 0 | 2 880 0 0 | r1 0 0 | 5 875 0 0 | 1 | 15 | 2 584 |
| lotal for 4 weeks | 11 '61 | 4 184 | 0 0 | 74,4 3 | 0 | 3777 0 0 | (3 0 0 | 6 21 (0 | | 1 311 1 | 8 9511 |
| COMPARISON | | | | | | i | | | | | View of |
| Total for corresponding wie: M previous year Per mile of railway correspond | 3 150€ | 1,278 | 4 3 | 11,929 | 0 | 685 7 0 | 16 6 0 | 1 980 1 3 | ru | J081 | 8171 |
| by week of previous year | 116 | 46 | 15 0 | 438 | 0 | 25 2 0 | 0 10 0 | 72 11 0 | | 1 | |
| fetal to corresponding date of pravious year | 11 07 1 | 124 | 6 0 | 63,490 | 0 | 3,257 11 0 | 110 13 (| 7 522 14 6 | 214 | 1,809 | 8,417 |
| | 1 | | 1 | | | | · | | | | |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nathati State Railway

| | | TOTAL RECEIPTS PROM 15T APRIL 1886 TO 29111 JANUARY 1887 APRIL 1887 JANUARY 1888 | | | | | | | RECEIPTS FOR WEEK ENDING 28 H JANUARY 1888 | | | DOR WERK | |
|---------------------------------|--------------------------------------|--|----------------|---------------------------|--------------------------------------|----------------|---------------------------|-----|---|---------------------------|-----------------------|-----------|---------------------------|
| Total decrease in 1887-88 | Total 17 (20 M (12) 15 8 7 8 3 | Per mile worked | Total receipts | Mean mileace worked | Per mile worked per work | Total receipts | Mean mileage worked | | Receipte | Mean mileage worked | Per mile worked | Receipts. | Mean mileage worked |
| | Rs. | Re | £s. | | ks. | Re | | Ba. | Rs. | | Be. | Ra. | |
| | 6,100 | 65 | 76 135 | 27} | 60 | 70,035 | 271 | 79 | 8,149 | 272 | 78 | 1,960 | 272 |

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 28th January 1888, on 259 miles open.

| | COACHING TRAFFIC. | | | Men | MURCHANDISH AND MINEBAL TRAFFIC. | | | | | | | TRAPPIC TRAIN-MILES RUS. | | | |
|--|-----------------------------|-----------------|-------|-----|----------------------------------|----|--------|----|----|---------------------|-------|--------------------------|-----------|-------------------|--------|
| | Number of passengers. | Coach | | , | Veigh | | Recor | | | Other ea (estima | | Total earnings. | Coaching. | Merchan- dise. | Total |
| | · II. STORY TO AND ADDRESS. | Rs. | A. P. | 1 | Mds. | s. | Ka. | ٨. | P. | Ks. | A. P. | Rs. A. P. | | | |
| Total traffic for the week on 259 miles open Or per mile of railway For previous • weeks of hulf- | 53,673 207 | (a)23,326 9a | | 1 | ,99.533 770 | 0 | 20,292 | 0 | | 4,418 | | 49,000 0 0 171 11 0* | 7,799 | 9,058 | 16,857 |
| year | 113,418 | 42,069 | 0 0 | 5 | 69,724 | 0 | 55,830 | 0 | 0 | 12,384 | 0 1 | 1,10,283 0 0 | 18,921 | 23,562 | 41,483 |
| Total for 4 weeks | 167,091 | 65,395 | 0 0 | 7 | 69,257 | 0 | 76,122 | 0 | U | 16,832 | 0 0 | 1,58,349 0 0 | 26,720 | 31,620 | 68,310 |
| COMPARISON. | | | | | | | | | | | | | | | |
| Potal for corresponding week of pravious year on 246 miles open Fer mile of railway correspond- | 31,711 | 13,580 | 5 6 | 1 | ,39,40 | 10 | 13,429 | 6 | 0 | 2,511 | 11 8 | 29,530 7 2 | 5,137 | 4,426 | છ,કાઉ |
| ing week of previous year | 141 | 65 | 4 0 | | 667 | 0 | 51 | 9 | 0 | 1 | 1 0 | 110 14 0 | ***** | | |
| previous year | 1:6,206 | 53,941 | 11 2 | 6 | 01,482 | 20 | 59,802 | 9 | 0 | 12,306 | 12 8 | 1,26,051 0 10 | 21,873 | 19,903 | 41,776 |

Steam-boat earnings excluded in calculating "Total ocrains per mile of Railway."
 (a) Increase is due to rush of passengers for "Maphi Puracounshie melts."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

| Mean | | | WHITE SERVICE | EIPTS FOR WEEK ENDING RECEIPTS FOR WEEK ENDING 28TH JANUARY 1885. | | | | 1 | | Total | Fota: | |
|-------------------|-----|-------------------------|---------------|---|----------------------------|-----------------|-----|-----------------------------|-----------------|---------------------------------------|----------|----------------------|
| pileage Receipts. | | Mean deage orked. | Receipts. | | Meen untenge worked. | lots: receipts. | | Mean intleage worked. | Total receipts. | Per mile worked per week. | 1857-88. | decrease 1887-68. |
| Ra. | Rs. | | Ra. | Ra. | | Rs. | Ks. | | Rs. | Rs. | Ra. | |
| 346 29,530 | 120 | 259 | 45,066 | 186 | 246 | 12,91,790 | 122 | 251.54 | 14,59,898 | 135 | 1,65,108 | |

| Approximate e | arnings for wee week last year | k ending 2 | lst Janu | ary 1888 | | | | .330 .923 |
|-----------------|-----------------------------------|------------|-----------|----------|-----|------|------------|--------------|
| Increase | | | | | | ••• | | .407 |
| | 1st to 21st Janu | | | | | *** | 57550 | 946 |
| From 1st to 221 | nd January 185 | 7 | *** | 28.85 | ••• | •••• | 13, | 272 |
| Increase | *** | ••• | | | | ••• | 2, | 674 |
| Miles open, we | ek ending 21st. | January 18 | 388 | ••• | | *** | Miles. | |
| Corresponding | week last year | | | ••• | | ••• | 51 | |
| Receipts per m | ile open, week | onding 21s | t January | y 1858 | 374 | *** | PHONES 049 | . r. |
| Corresponding | week last year | | | | ••• | *** | 96 8 | 5 |
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| | | | | | | | | |

DARJEBLING, the 30th January 1888.

H. BIRCH, Acting Secretary, D.H. Ry.



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, FEBRUARY 15, 1888.

OFFICIAL PAPERS.

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Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal, assembled for the purpose of making Laws and Regulations under the provisions of the Act of Parliament 24 and 25 Vic., Cap. 67.

The Council met at the Council Chamber on Saturday, the 4th February, 1889, at 2-30 P.M.

Present :

The Hon. Sik Steuart Colvin Bayley, K.C.S.I., C.I.E., Lieutenant-Governor of Bengal, presiding.

The Hon. G. C. Paul, c.i.e., Advocate-General of Bengal.

The Hon. H. J. REYNOLDS, C.S.I.

The Hon. C. P. L. MACAULAY, C.I.E.

The Hon. T. T. ALLEN.

The Hon. SIR HENRY HARRISON, KT.

The HON. SIR ALFRED CROFT, R.C.I.E.

The Hon. Moulvie Abdul Jubbar.

The Hon. G. IRVING.

The Hon. BABU KALI NATH MITTER.

The Hon. Dr. Mohendralal Sircar, c.i.e.

The Hon. C. H. Moore.

The HON. DR. GOORGO DAS BANERJEE.

CALCUTTA AND SUBURBAN MUNICIPALITIES AMALGA-MATION BILL.

THE HON. SIR HENRY HARRISON moved that the clauses of Chapter II, Part I, of the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Submbs of Calcutta be further considered for settlement in the form recommended by the Select Committee.

The motion was put to the vote and carried.

His Honour the President said—On Saturday last we left off at the end of the speech of the Hon. Babu Kali Nath Mitter on the proposal that the number of the Commissioners be increased to 80. The first motion in to-day's list of business is that of the Hon. Dr. Mohendralal Sircar with reference to the boundaries. I have been in communication with the hon. gentleman, and he has informed me that he is willing to withdraw that motion. I am much obliged to him for having done so, as it will be inconvenient to discuss that question now, and he will have the opportunity at a future stage of the Bill to propose any alteration he desires in the boundaries. Besides the amendment now before the Council, there are other amendments on section 4 in the name of the Hon. Mr. Irving and the Hon. Moulvie Abdul Jubbar. I will call up in the Hon. Mr. Irving to move the amendment No. (2) which stands in his name.

The Hon. Mr. Irving said:—In moving the amendments on sections 4, 7, and 8 which stand in my name, I will briefly refer to them in their order.

The object of the amendment on section 4 is to reduce the number of Commissioners from 75 to 60. It is generally felt, I believe, that a Muricipal Commission of 75 members is much too large to be effective and manageable, and that a smaller and more compact body would be better for all practical purposes. The Commissioner of this division, in his letter of the 2nd instart, remarks on sections 7 and 8: "I think the number of Commissioners may very well be reduced from 75 to 40. The object of a Municipal Corporation is work, not debate; and I think that 40 members will make a more practical working body than 75" In large towns in England a smaller number of representatives than that proposed for Calcutta is the rule. Liverpool has one to every 10,000, Manchester one to every 11,500, and Glasgow one to every 15,500 of the population; while in Bombay, taking the population at 800,000, they have one to every 11.111; whereas, taking the population of Calcutta at 582,000, 60 Commissioners would give one Commissioner for every 9,700 of the inhabitants. The proposed reduction in the number of Commissioners would tend in some measure to limit the long and fruitless discussions for which fault has been frequently, and I think justly, found with the present Commissioners, and would therefore economize time, accelerate business, and enable busy men to take a fair share in the government of the city.

Similarly, in moving that the words '60 and 20' in section 7 be substituted for '75 and 15,' I beg very briefly to state that the arguments and position as regards substituting '60 for 75' are the same as those urged in respect to section 4. The proposal to give the Government 20 instead of 15 appointments, or one-third as is now done, is one which commends itself to the European community generally, and inasmuch as it would enable Government to redress more effectually the inequalities of representation among the

various classes, it is a very desirable provision.

Sir Henry Harrison, in his able note on the constitution of the future Metropolitan Corporation, is very decided in his view as to the necessity of retaining in the hands of Government the power of nominating one-third of the Commissioners, in order to enable it to adjust representation between the various classes. The additional special constituencies referred to in section 8 would only give the European and Eurasian communities that assurance of getting their own representatives returned to which they are fully entitled. The Mahomedan population is also seriously under-represented, and the Government nominations, if adequate, would do much to remove this cause of complaint. It is undoubtedly a great injustice, in a community like that of Calcutta, that any one race or class should practically rule all the others, and

neither the Europeans nor the Mahomedans are satisfied with the present arrangement.

Europeans in India should remember that superior numbers do not constitute a dominant race, and that mere weight of numbers ought not to entitle one class to override all others. This is strongly urged by the European community which I represent, feeling as they do that they are now shut out from their fair share in the control of City affairs. Instead, therefore, of increasing the number to be elected by the general community, and thus enlarging the power already held by the practically governing race, it is on every ground desirable that Government should have, as hitherto, the nomination of at least one-third of the Commissioners, and that in addition to the ten Commissioners to be elected by special constituencies. This arrangement would go far towards securing a fair balance of representation, and would give

satisfaction to the most intelligent classes of the community.

Then in section 8, I propose that the word '30' be substituted for '50.' In placing this before the Council, I must refer to section 15, where it is proposed that there should be 25 wards in the enlarged town, in place of which I have proposed 15 wards, and my present proposal, if accepted, would give two Commissioners to each ward. As, however, the hon, member in charge of the Bill is, I understand, in favour of still fewer wards, if any change is to be made, I would readily accept any modification, say ten wards with three Commissioners to each. But that after all is a detail, and does not affect the main question of the number of elected Commissioners. I have already asked for a reduction in the total number of Commissioners, and this carries out further that idea. In Calcutta, where the natives, as pointed out by Sir Henry Harrison, are to the Europeans and Eurasians as 16 to 1, it is a certainty that the great majority of elected Commissioners will belong to the more numerous class. In the report of the amalgamation Committee at page 9, the following statement occurs: "Taking two important classes, the commercial class and the Mahomedan population, no one can fail to be struck with the very small proportion of the elected Commissioners which these return."

Without some such safeguards as are proposed, the European, Mahomedan, and other interests will be overborne to a degree which I think would be prejudicial to the interest of the whole city. Therefore, if 30 Commissioners are elected in the ordinary way, that will amply provide for the great Hindu section of the community, and will give them their fair proportion of members in the Corporation, and their proper and legitimate influence therein. More than this should not be granted, for any further concession would only be

to the prejudice of the other important sections of the community.

The Hon. Sir Henry Harrison said:—I understand that we are now discussing the two questions of the number of the Commissioners, and what proportion of them should be elected by the several wards or local areas. The further question as to whether that proportion of members which is not to be elected by wards, which at present stands at one-third, should be divided as provided in the Bill into lumembers to the Government, and 10 to selected constituencies, or whether they should be appointed in any other way, is a question which will stand over for a subsequent amendment. That being the case, we find that the proposal we are now discussing of having 75 Commissioners, of whom two-thirds should be elected and one-third be nominated in some form or other, is the one which has attracted perhaps more attention than any other part of the Bill, judging by the representations which have been received on the subject by the Council; and seeing the very large measure of attention which this question has attracted—it being no exaggeration to say that it forms the subject of one-half of all the reports which have been received from various bodies-it can hardly be considered unreasonable if we devote considerable attention to this matter. It is looked upon as the cardinal hinge of the proposed Bill. This proposal has been made the subject of criticism in two directions. The British Indian Association, the Indian Association, and some other bodies, urgently press that at least three-fourths of the Commissioners ought to be elected. On the other hand, most of the European Associations press with equal urgency that the propor tion of nominated Commissioners should be increased rather than decreased.

The Hon. Babu Kali Nath Mitter has been the exponent of one set of opinions; the Hon. Mr. Irving of the other. I shall devote my attention, first, to the Hon. Babu Kali Nath Mitter's amendment as regards the total number of Commissioners. The Hon. Mr. Irving was perfectly right in saying that in most places the number was not so large as 75; 64 was a very usual number. In France the normal number was 36, which was in some places enlarged owing to local circumstances. At the same time I attach very little importance to this point. I do not believe there will be any practical difficulty in working, whether the number of Commissioners be 75, or 60, or 80, because we know that the time taken up by discussion does not depend on the total number of Commissioners present, but upon those Commissioners who wish to speak: and in a Corporation of even 40 members, the leading Commissioners would, for the most part, be returned, and these would take an active part in the discussion as at present. I do not think that in this respect there would be any great difference in a body of 40 members, and a Corporation of 80 Commissioners, of whom 15 or 16 would, as a rule, take part in the discussions. Practically, therefore, I attach little importance to the number of the Corporation. We only revise the work of the Committees in general meetings of

the whole body of Commissioners.

Next as regards the division of numbers between the different electoral bodies. On this point the main argument of my hon. friend seems to be this: that the elective system was introduced twelve years ago against the strong opposition of Sir Stuart Hogg, and against the opposition of a great portion of the European community, and yet it has proved a success; and if it has proved a success, why not extend that principle? Is it not fair after twelve years of success to extend it? But the argument is not stated in a way to entitle it to any logical value. Suppose for the sake of argument that the elective system has proved a success, regarding which opinions are undoubtedly divided, what follows would be this-that a Corporation composed of two-thirds elected Commissioners and one-third nominated Commissioners had done its work fairly well. From this the inference might just as logically be that we should increase the proportion of nominated Commissioners as that we should increase the proportion of elected Commissioners. The real argument derived from the admission of success is, leave well alone. But the hon. member no doubt means more than that. He means that the elective element in the constitution of the Corporation has proved successful, and that therefore the elective principle in it should be expanded. On this point my own belief is that most persons will form their judgment of success or failure according to the preconceived inclinations with which they regard it. Those who do not wish it well will think it has not been successful, and those who were predisposed in its favour will lead themselves to believe in its success. But I am hopeful that this difference of opinion will in a great measure disappear if we deal with the question in a specific way. I admit that from some points of view it should be considered a success. In the first place, by the elective system we have attracted to the Corporation a number of Commissioners who have taken the greatest possible interest in the work Commissioners who have been most assiduous in their attendance at meetings, who have looked into matters with care and scrutiny such as is hardly found in any other department. They have set their face resolutely against all extravagance, they have thrown the light of discussion on every detail. In fact it has led to the administration of the municipality being carried on much more in the light of day than it would have been as far as other members are concerned. On questions of contracts and expenditure in detail they have paid an attention to the work which was hardly paid before. In the next place the system has had the advantage of bringing in a number of men who owe their position entirely to something outside Government, not to nomination. They feel that they depend for their position on those who have returned them, and who naturally look to them to represent their views, and therefore they bring with them the light of real public opinion of a certain class—a comparatively small class ir numbers, but a very influential class indeed, and it has been a great advantage that we should have the opinion of a class of this kind pressed upon us so that we know what they want and what they object to. Thirdly, we have persons who represent local areas. This has led to many good results. Pre

viously the Town was looked upon very much as a whole, and the wants of the Town as a whole were considered. Now the desire for large improvements has decreased, and the Commissioners are more interested in local wants. This has to some extent worked well, and the large increase in the value of property is in no small degree due to the way in which local improvements have been attended to. Fourthly, the elective system has been successful in this, that people know that they have a Commissioner who represents them, and when they have a complaint, if it is not immediately attended to by the Executive, they appeal to get the assistance of their Commissioner. This has some beneficial results; it causes some degree of self-reliance in the people when they know that they have some one to whom they can go if they do not get immediate redress. The last and most important result is this. The elected Commissioners, who had taken so much interest in the affairs of the Municipality, have themselves improved much by experience in the work. I have seen very great improvement in the tone and method and manuer of doing work by the Commissioners who have become familiarised with their labours. In this review I think that I have given a very fair account of the work of the elective Commissioners, but after all said is not the role which I have described precisely the rôle of opposition? We all know that administrative affairs suffer if there is no effective check; and whether we look at the official world as it exists in India, or at the Government as it is in England, worked by party, it is a well-recognised fact that, if there is no adequate check, there is danger either of the work going on too fast, or there is danger of its not being as economical as it might be. The role which the elective Commissioners for the native wards have at once assumed is precisely that of checking, watching and controlling in every way, in seeing either that no expenditure is incurred without sufficient reason, or that projects of improvement are not undertaken which cannot be fully justified. They have in fact been the brake-power in the municipal train. But a train cannot progress by brake-power alone, nor can a city thrive by opposition alone. It is also necessary that you should have motive power, and this is precisely the one point in which the Corporation has been deficient. The motive power has been too weak, while the opposition power has been very strong. Were time of no importance I could prove this contention conclusively, but I hope the Council will accept my experience as a matter of testimony rather than desiderate proof. In a body like the Corporation, the Executive alone is in a position to push on the work. The Chairman therefore requires that the extremely powerful criticism and opposition which is brought to bear to his proposals should be met by an equally powerful backing up, where a sufficiently good explanation can be given of what is required to be done. Over and over again this has been wanting—the Executive Govern ment of the Town is working with a minority, and everybody knows what a compromising position that would be. I might go through the budget year by year and show that the Chairman has to make out a very powerful case before he can get sanction for expenditure: and he is thus much handicapped in his proposals for improvement. I cannot put the case more succinctly according to my own view than to say that the motive power in the Corporation has been too weak. That being so, the question is how has it been possible to work the machine. The way in which it has been possible is mainly by the Chairman first of all using his powers of persuasion and trying to induce Committees to do what he considers necessary, a course which I must injustice say very often succeeds, or appealing to a general meeting. In general meetings of the Corporation he no doubt on the whole succeeds in carrying his point more easily than in Committees, and the reason is because in general meetings there are a larger number of Commissioners disposed to support him who do not take any part in the ordinary Committee work of the Municipality. The position of the Chairman is always stronger in general meetings than in Committees of the Corporation. The difficulties which I have described were much more insuperable in the earlier days of the Corporation. When I first joined as Chairman, I found the difficulty of doing more than just carrying on the work of the Municipality greater than it is now; and all who take an interest in municipal affairs will bear me out that there has been a conspicuous and signal improvement latterly as compared with the earlier period. To this many reasons have contributed. In the first place, the Commissioners have

improved by experience; secondly, the proportion of Commissioners of the nationalities which were at first weakly represented has increased. The hon, member laid before the Council the figures of four elections. He showed that whereas in 1876 the Hindus elected 41 out of 48 elective Commissioners, in 1885 they were able to return only 27 out of 48. I could not define the object with which the hon, member cited these figures. I do not know whether he regarded it as a misfortune or a good fortune to the Corporation. He showed that the checks on the majority had been acting better, but had this resulted in benefit or the reverse; if in benefit why did he wish to diminish these checks? In 1875 three checks were designedly chosen-first, there was the check of the one-third of nominated Commissioners; secondly, the check that in the European wards a larger measure of representation was conceded than in the native wards, especially in the wards in the north of the Town. Though the European wards were smaller in population than the native wards, they were given proportionally a larger number of representatives; thirdly, there was the check in all the wards of the cumulative vote which were allowed three members. It has been correctly stated that in 1882, and again in 1885. the Europeans and Mahomedans became aware of the power which they possessed under these two last-named checks, and the consequence was that 1,105 European voters returned 13 Commissioners, 1,004 Mahomedans returned 8 Mahomedans; whilst 7,827 Hindus returned only 27 members. So far, well and good. The question is, has that been advantageous or not? I say that undoubtedly it has been a great advantage, and that it was one of the factors which operated to the carrying out of more work during the last few years. Does not that prove that if the Corporation is to work well, you must not have an opposition which is too overwhelming? I welcome cordially an effective opposition, but I equally contend that, if the opposition consists of more than half of the members, then the difficulty of working is greater than it should be. It is on that ground I submit that what has really been proved is exactly the opposite of what should have been proved for the hon, member's contention. The elective system has been a success as far as that it has organized an effective opposition and check to extravagance. It has failed in so far as that opposition has been numerically too strong. At first its numbers were so large that it brought every thing to a dead lock. As it has decreased, things have progressed more fairly. Consequently, I am perfectly justified in saying that it is only owing to the fact of the one-third nominated Commissioners having furnished some counterpoise to the preponderance of the opposition that the success of the Corporation has been secured, and it is hardly too much to say that this has been the hinge on which the success of the Corporation has turned. If so, what could be more enoneous than to propose that this most important factor should be weakened-that that which required strengthening should be weakened, and that which was already too strong, should be further strengthened. On these grounds I am constrained to say that it would be very unfortunate if the Council came to the conclusion that any larger proportion of the members of the Corporation should be elected by local areas.

Passing now to the opposite point of view, it is more difficult to maintain my ground. I do think there is a great deal of force in what the Hon, Mr Irving has urged, and I believe a part of the greater success of the Bombay Corporation has been due to the greater proportion of the nominated Commissioners. In Bombay the Corporation started with only 64 members, of which one-half only were elected by local areas. When the number was increased in the present Bill from 64 to 72, still, as before, only one-half were to be elected by wards, 16 were to be nominated by the Government directly, and 20 by constituencies which, with the exception of the Chamber of Commerce, were under the control of the Government; probably in Calcutta also, had we 12 years ago proceeded a little more slowly, we should have made more decided and confimuous progress, and parties would have been better balanced. But it is a very different thing when you have a tubula rasa, and when you have a foundation already laid. In the work of legislation, gradual construction on existing foundation is the safest. We have existing lines to work upon, and unless we are prepared to say that the Corporation will not work on these lines, it is undesirable to change them. I am not prepared to say that the proposed constitution is

unworkable. Firstly, I think that there are two or three details in this Bill which will a little strengthen the party of progress if adopted, such as not allowing Ward No. 12 to lose its second member, and the plural system of voting. And then as regards the power of nomination, this gives a power which the Government has never used to the fullest extent. It has never so used the power of nomination exclusively to strengthen the motive power in the Corporation, and this ought to be tried before the fundamental proportions are changed. Even using the power of nomination as hitherto exercised, I am bound to say that if all the members nominated would attend the general meetings, there would be sufficient motive power to enable the Corporation to get along. Again, if I had any hope that the European members would take the same interest as the native members, I should be more disposed to yield to the Hon. Mr. Irving's argument, but I am afraid we must put this aside as really out of the question I believe that to some extent they have been kept away from the meetings by finding that they are in the minority, but at the same time they have also found that it was quite impossible for them to give the same attention to the work of the municipality as those who have ample leisure, and to whom it is almost a pleasure. There are a certain number of leisured gentlemen amongst the Native Commissioners who have often come two, three or four times a week to Committee meetings to do work which is certainly not of transcendental interest, but the ordinary humdrum work of the municipality. Now is it possible to hope that we can get European gentlemen, who have their business to attend to, and to whom time is money, to attend and take part in work of this nature? If we cannot hope for that, we must fall back upon the present lines. The Chairman must as heretofore do the work with six or eight Commissioners willing to meet him two or three times a week, and carry on business with pain on a system of reasonable compromise. The Chairman has at times to give way, and the Commissioners at times give way, and provided there is an appeal to the general moeting, with fair prospects of success, the Chairman may expect to get sufficient concessions made to enable him to carry on the work of the Corporation at marching speed if not an express speed. It is my belief that, even it we were to go so far as to have a majority of Europeans in the Corporation, we should still find that in Committee meetings the majority would be Native Commissioners. For these reasons, although there is great force in the arguments used by the Hon. Mr. Irving, I think we ought to follow the old lines as laid down in the Bill, which allow two-thirds of the Commissioners to be elected by the wards; and I therefore trust the Council will, on the ful est consideration, adhere to the proposals before them in the Bill.

The Hon. Mr. Macaulay said: - Though I cannot hope to contribute anything of value to the discussion at this stage I consider that as a member of the Select Committee, which has framed the section in the form in which it has been presented to the Council, I should not give a silent vote when the vital question of the constitution of the municipality is being settled. And for myself I am glad to have the opportunity of explaining the apparent incongruity of voting against the amendment of my hon. friend Babu Kali Nath Mitter, which involves an extension of the principle of election, while I am myself primarily responsible for the clause of the section which will give that principle a still larger extension. Briefly, I oppose the amendment of the Hon. Babu Kali Nath Mitter, on the ground that, although it involves the expansion of the principle of election, it involves not the expansion, but the contraction, of what is much more important—the principle of representation; I oppose the amendment of the Hon. Mr. Irving on the ground that it involves the contraction of both and I will afterwards support my own proposal on the ground that it involves the expansion of both. I venture to think that the different members have the same end in view. Their object is a common one. It is the search for a scheme under which all interests in the Town will be represented in proportion to their importance. If this object can be attained, without any violent disturbance of principle on other points, by a system which will provide for election only, and will exclude nomination, I will gladly support it. But this being impracticable, the question is, will three-fourths elected by the general body of the rate-payers, as proposed by the

Hon. Babu Kali Nath Mitter, or one-half as proposed by the Hon. Mr. Irving, be likely to attain the object in view? To take first the proposal of my friend, the Hon. Babu Kali Nath Mitter. I have read with great care the minute of dissent which my hon. friend has appended to the first report of the Select Committee, and I have listened attentively to the very able speech in which he has laid his amendment before the Council. But I cannot agree that the arguments of those who hold that the proportions proposed by my hon, friend will not secure the adequate representation of minorities has been answered. I do not think that my hon, friend Sir Henry Harrison has properly understood the object of the hon. mover of the first amendment in quoting the figures which he has submitted to the Council. I understand his object to be, not to show that the increase in the number of European Commissioners is a matter of good fortune or of evil fortune to the municipality, but to show that the strengest class do not wish to keep all representation to itself to the exclusion of other classes. But, however this may be, it is an undoubted fact that the elected portion of the Commissioners do not represent fairly all sections. It is useless to point to the gradual increase in the number of Europeans in the Corporation. The fact remains that the representation of the Hindu population, and of what I may call the non-commercial classes, largely preponderates, and I think that this preponderance should not be increased. To guard against misunderstanding, I wish to state my distinct opinion that the working of the elective system in Calcutta has been a decided success. I cannot agree with my hon, friend Sir Henry Harrison in thinking that, if we were beginning to legislate for an elective system, we might take the Hon. Mr. Irving's proposal for electing only one-half. I think that, looking to the experience we have had of the working of the system as a whole, we should be fully justified, were we in the position of our predecessors, the legislators of 1876, in taking the proportion of two thirds elected by the ratepayers. For this reason I will certainly oppose my friend the Hon. Mr. Irving's amendment. The elective system has brought forward men like my friend the Hon. Babu Kali Nath Mitter, men of ability and business habits, who have done excellent service to the community, and I think that all friends of Self-Government must rejoice that these men owe their positions, not to the voice of nomination, but to the suffrages of their fellow townsmen. But I submit that that is no reason for putting aside the other considerations to which I have adverted. That one part of the constitution has succeeded is , no reason for stimulating it further at the expense of the rest. It is because I think that the first amendment will weaken what I consider the all-important principle of representation that I ask the Council to reject it.

The Hon. Dr. Gooroo Das Banerjee said: - With the most earnest desire to make concessions to the European community to secure their co-operation in the municipal affairs of the town, I cannot support the amendment of the Hon. Mr. Irving. It has been urged that the fact of the number of Commissioners being large, causes a long time to be consumed in discussions in the Municipal Board, and that this prevents able commercial men from taking part in the administration of the affairs of the municipality. But it should be borne in mind that the duties of the Municipal Commissioners are not merely of a deliberative character sitting at meetings of the Board, but their duties should also be of an inspectional nature. A Municipal Commissioner should inspect the ward he represents, so that he may be able to ascertain its wants and requirements, and for the due discharge of duties of this class the number of Commissioners necessary to represent a ward efficiently must be a matter of consideration; and seeing that the dimensions of these wards are by no means small, I submit that one Commissioner for each ward will hardly be adequate representation. I see no force in vague, undefined speculative reasons, but I think it a most practical reason that it would not give the Commissioner sufficient time to inspect his ward efficiently. Therefore, though on the whole a larger number of Commissioners might entail greater sacrifice in time, on the other hand we have, to compensate for it, greater efficiency secured in one respect; and if the members of the European community are pleased to bear this in mind, I hope they will not grudge any additional sacrifice of time that the

number of Commissioners proposed in the Bill might entail. I may also add that if the charge on the score of loss of time is well-founded, the members of the European community taking part in the administration of the municipality may by the moral force of their opinion and example help in removing that ground of objection. For these reasons I submit that the number of the Commissioners ought not to be diminished to 60. Then as regards the proportion of nominated Commissioners, whilst fully sharing the sentiments uttered by my hon. friend, the mover of the first amendment, that so far as is consistent with other interests, the elective principle should be expanded. As I am opposed to the representative principle embodied in section 8 of the Bill, which gives the right of representation to voluntary Associations like the Chamber of Commerce and the Trades' Association, I do not think it will be fair to reduce the number of nominated Commissioners. I would leave it where it is, but oppose the right of election by voluntary Associations.

The Hon. Mr. Moore said:—I rise to support the amendment moved by the Hon. Mr. Irving. I have so recently come into direct contact with Municipal affairs that I candidly confess I have no fixed principles on the subject of municipal representation, and I can therefore only be guided by the safe and simple rules of common sense which plainly point to the advantages to be derived from reducing numbers to the smallest quantity consistent with fair representation of the interests involved. I have heard no arguments to show that the reduction of the number of Commissioners to 60 would produce inadequate representation, and the strongest argument in favour of the changes proposed in the amendment seems to me to be the statement made by the hon. member in charge of the Bill that, owing to the opposition being in a majority, the motive power in the Municipality is wanting, which seems to prove that the decrease of the one class and the increase of the other, as suggested by the Hon. Mr. Irving, would be in the best interests of the Municipality.

The Hon. Dr. Mohendralal Sircar said:—I do not understand how the motive power can be overbalanced by an effective majority. The motive power is furnished by combining the functions of the Corporation, and it is the carrying out of those functions which is entrusted to the Executive. The elective members should certainly watch how the functions of the Corporation are carried on. There we have the motive power and not in the action of the Executive. So I cannot understand how the motive power can be wanting if the elective element is strengthened. Then as to loss of time to the Commissioners, I think that economy of time is not always economy of work. Then again as to the success of the elective system that has been advanced as an argument by my hon. friend, the mover of the first amendment, I do not see bow that argument has been rebutted by the hon. member in charge of the Bill. If it has been shown, and I think conclusively shown, that the elective system has proved a success, I do not see any reason why we should not have further extension. The life of the elective system depends upon a larger proportion of elected members, and if the system has already proved a success, why should not the proportion of elected members be increased? With these observations I will support the amendment of the Hon. Babu Kali Nath Mitter.

The Hon. BABU KALI NATH MITTER said:—I shall try to be as brief as possible in my reply. In the first place it is a matter of regret to me that my hon. friend, the mover of the Bill, did not understand how I wanted to make out that because the present system has proved a success, therefore it is necessary that there should be a further extension of the elective principle. I think the answer is as clear as it can be. Previous to 1876 the system then in vogue was nomination. The Government thought fit to introduce the elective system, and if that has worked well, I think it is a strong argument that there should be further extension of that system after the experience of twelve years. In English towns it is one of election throughout; there is no nomination whatever, and that is not to be forgotten in dealing with this question. When the present system of election was introduced, it was thought proper to retain in the hands of Government powers which are inconsistent with English precedent. Then nobody grudged such retention of power. But now, as the system has worked well—and on behalf of myself and my colleagues of the elective

portion of the Corporation, I sincerely thank the Hon. Mr. Macaulay for the admission that, so far as his individual opinion is concerned, he considers that the elective system has proved a success-I think that a system analogous to the system which prevails in England should, as far as practicable, be established. Then again the hon. member in charge of the Bill did not understand why I put forward the results of the last two elections. How he could have misunderstood my intention, it is impossible for me to say. It is as clear as anything can be. The point I wanted to establish is this, that the greater the interest taken by the several nationalities, the greater the number of Commissioners returned by them; that in the first election, as the Hindus took the most prominent interest, they were able to return the largest number of representatives. Then at the subsequent elections, as other constituencies took larger interest, they were able to return a larger number of members, and consequently the Hindus suffered, and the use which I wish to make of these facts is, that we should leave the returns to be regulated by the result of the elections. If all the constituencies in the Municipality took the interest in the elections which they ought to take, they should be able to return a due proportion of members, and then particular interests would not suffer. If the elected members of the Corporation had done all that the hon, member in charge of the Bill was pleased to say of them, I think it is only right and fair that their number should be further increased. They should not be told, you have done all this, still there is mistrust that if your number predominates, you will not do all that you have done. I do not think that is a right principle at all. It is pretty well known that the Hindus pay the largest rates in the town. I had a statement prepared of 100 of the largest rate-payers, barring the Government, and from that statement it appears that 55 out of the 100 are Hindus, and therefore it is only right that their number should predominate in the Corporation. But from the figures I gave on the last occasion, the Council will see that at the last elections the number of Hindu Commissioners was exactly the number which the Select Committee which considered the Bill of 1875 proposed, viz. 27, and it cannot therefore be said now that there is a preponderance of the Hindu element in the Cor-

Now, with reference to what has fallen from my hon. friend Mr. Irving, it seems to me that he has not in any way controverted my argument. He has not pointed out how 60 Commissioners would be sufficient to represent the different wards of the town, or how it would be adequate representation. He has fixed the number at 60, and said that there should be one Commissioner for each ward, or if there were only 10 wards, that there should be three Commissioners for each ward. But would it not be better to have only two wards, one constituting the whole of the northern portion of the town, and the other the southern portion, and have only three Hindus, three Mahomedans and three Europeans? That also would not be adequate representation, and therefore I submit that it would be a retrograde measure either to reduce the number of the wards or the number of Commissioners as proposed by my hon. friend. I myself attach great importance to the number of the Commissioners being increased to 80. As seven additional wards are to be added to the town, it would, in my opinion, be a mistake simply to add three to the present number of the Commissioners.

The Hon. BABU KALI NATH MITTER's motion, that in lines 3 and 10 respectively of section 4, the word 'eighty' be substituted for 'seventy-five,' being put, the Council divided:—

Ayes 4.

The Hon. Dr Mohendralal Sirear. The Hon. Babu Kali Nath Mitter. The Hon. H. J. Reynolds. The Hon. the Advocate-General.

Noes 9.

The Hon. Dr. Gooroo Das Banerjee.
The Hon. C. H. Moore.
The Hon. G. Irving.
The Hon. Moulvie Abdul Jubbar.
The Hon. Sir Alfred Croft.
The Hon. Sir Henry Harrison.
The Hon. T. T. Allen.
The Hon. C. P. L. Macaulay.
His Honour the President.

So the motion was negatived.

The Hon. BABU KALI NATH MITTER'S motions:-

That in line 1 of section 7 the word 'eighty' be substituted for 'seventy,' and that the word 'twenty' be substituted for 'fifteen'.

That in line 1 of section 8 the words 'of' and 'fifty,' respectively, be omitted; and that the word 'sixty' be inserted after the word 'remaining,'

were put to the vote and negatived.

The Hon. Mr. Irving's motions that: -

That in lines 3 and 10, respectively, of section 4, for the word "seventy-five" the word "sixty" be substituted.

That in line 1 of section 7, for the word "seventy-five" the word "sixty" be substituted, and that the word "twenty" be substituted for "fifteen."

That in line 1 of section 8, for the word 'fifty" the word "thirty" be substituted,

being put, the Council divided:—

Ayes 3

The Hon. C. II Moore The Hon. G. Irving The Hon. T. T Allen.

Nors 10

The Hon. Dr. Gooroo Das Bancrjee. The Hon. Dr. Mohendralal Sirear. The Hon. Babu Kali Nath Mitter. The Hon. Moulvie Abdul Jubbar. The Hon. Sir Alfred Croft. The Hon. Sir Henry Harrison. The Hon. C P. L Macaulay. The Hon. H. J. Reynolds. The Hon the Advocate-General. His Honour the President.

So the motion was negatived.

The Hon. Moulvie Abdul Jubbar moved that in line 1 of section 7, for the word "fifteen" the word "twenty-five" be substituted. Also that the last paragraph of section 8, beginning with the words "and ten shall be elected" till the end of the section, be omitted. He said :-- In bringing forward the motion which stands in my name, I would, with Your Honour's permission, take up together the two amendments which I propose. They are so closely connected that I think they need not be dealt with separately. Sections 7 and 8 of the Bill now before the Council have in view a change in the constitution of the Municipal Corporation of the Town of Calcutta. At present two-thirds of the members of that corporate body are elected by the rate-payers and oncthird appointed by the Government; but the Bill proposes to limit the power of nomination by Government to one-fifth of the number of Commissioners. The existing system, as it is, is by no means favourable to the interests of the Mahomedan residents of this City and the Suburbs, and the change which is now intended to be introduced will make them the greatest sufferers. The Mahomedans constitute 28 per cent. of the population of Calcutta and 38 per cent. of that of the Suburbs, but in Calcutta we have only 12 Mahomedan Commissioners and in the Suburbs 2. These figures, as they stand, do not at all show a fair proportion; and if Government had not exercised its power of nomination in favour of the Mahomedans, the number of Mahomedan Commissioners would have dwindled to almost nothing. It may plausibly be said that as the Mahomedans do not come forward and exert themselves for election, they are themselves to blame for this state of things; but, Sir, no man with a sense of scif-respect would offer himself as a candidate when he has very little chance of success. The Mahomedans are the most conservative people under the sun, and often demur to receive innovations of any kind Their confidence in Government is unshaken. They continue to believe that all public interests are safe in the hands of the Government, and they have not, as far as I know, ever asked for the privilege of managing public affairs. Government has introduced representative municipality in this country, and it behaves Government to see that the interests of the different nationalities are adequately represented on the Municipal Boards. India is neither England nor France, where the Government has to legislate for, and to attend to the interests of, one and the same nation. The Indian Empire comprehends many nationalities, notably the Hindus and the Mahomedans, and the Government cannot rightly allow an undue preponderance of one race over the other in representative institutions. Representative municipality is an exotic plant in India, and it can only flourish under the fostering care of Government. Representative

municipality will not be a blessing to all unless all interests are adequately represented, and, under the circumstances of the country, Government ought to reserve in its hands ample means of removing inequalities. The masses of the people have no idea of representative institutions, and for anything that may go wrong in the management of the affairs of the Municipality, they will speak in dispraise of Government. So for the sake of its good name, if not for anything else, Government should continue to select a considerable proportion of the Commissioners. The framers of the Act of 1876 fixed the proportions of elected and nominated Commissioners after careful deliberation, and I see

no cogent reasons for upsetting their decision.

Now, Sir, while on behalt of the Mahomedans I am anxious that the proportion of nominated members should not be reduced, neither I nor they mean that such influential bodies as the Bengal Chamber of Commerce and the Calcutta Trades' Association should not obtain an adequate representation in the Calcutta Municipality. Calcutta owes its position among the great cities of the world to the capital and industry of its European community, and I shall not be so indifferent to its future welfare as not to desire the appointment of the members of that community to its Municipal Board, but what I object to is the policy of granting to self-constituted Associations the statutory right of election in municipalities. If such a policy is once adopted by the Legislature, it would give rise to numberless claims which Government would find it difficult to disallow. In these days when we are deluged with Associations, Unions and Societies bearing high-sounding names, it might be imagined to what end the policy embodied in the Bill would lead. I am afraid the result will be that, while Associations will monopolise the municipal franchise, the majority of the poor tax-payers will go unrepresented. Some of the hon, members of this Council might remember that when the Port Trust Amendment Bill was before it, an Association by the name of the Bengal National Chamber of Commerce came into existence and claimed the same right of election as had been granted to the Bengal Chamber of Commerce. It is not, Sir, that my co-religionists, whom I have the honour to represent in this Council, apprehend any harm to them from the influence of the European element in the Corporation, but they oppose on principle the recognition by law of voluntary Societies, the number of which is subject to fluctuation. There could be no just or reasonable ground for complaint should Government appoint as many European gentlemen as would secure a proper balance of power in the Corporation, but I am sure many Associations would grumble should some of them be singled out for the concession which the Bill contemplates to make. I will now conclude by reading a passage in the letter addressed by the oldest Mahomedan Association in Calcutta, the Mahomedan Literary Society, and a short paragraph from the letter from the younger Association, the National Mahomedan Association. The senior of them, the Mahomedan Literary Society, said:—"The Committee are of opinion that the number of Commissioners to be appointed by Government under section 7, namely 15, is inadequate. Under the Act of 1876, Government has the power of appointing 24 Commissioners, and it is well known that this power has been exercised from time to time most judiciously by appointing members of the different communities in order to ensure a proper representation of their interests in the Corporation. The desirability of enabling members of the Mahomedan community to take part in the municipal affairs of the town has always been recognized. Whenever the Mahomedan element has been found to be insufficient on the Corporation, the balance has been in some measure restored by the appointment of Mahomedan Commissioners by Government. The practical effect of now reducing the number from 24 to 15, the Committee apprehend, would be to fetter the hands of Government in respect to the appointment of an adequate number of Mahomedans. The Committee therefore beg to suggest the substitution of the word 'twenty-five' for the word 'fifteen' in section 7." The younger Association, the Central National Mahomedan Association, said:—"The Committee also thinks it will be expedient to reserve a larger number of nominations in the hands of the Local Government."

The Hon. Dr. Gooroo Das Banerjer said:—I will support the amendment which has just been moved on very nearly the same grounds on which

the hon. mover of the amendment has based it, and for one or two additional reasons. I will first take up the latter of the two amendments, namely, that the last paragraph of section 8 be omitted. That clause provides that ten Commissioners shall be elected in accordance with rules to be framed by the Lieutenant-Governor—four by the Chamber of Commerce, four by the Trades' Association, and two by the Port Commissioners. This I consider to be objectionable as well as unnecessary. It is objectionable in the first place, because it recognises by Statute voluntary Associations regarding the constitution of which there is no certain stability. Any one of these Associations may represent to-day the entire community which it professes to represent, but next year it may cease to represent that same class adequately. Secondly, it is objectionable because the recognition of three out of a large number of similar Associations would make an invidious distinction which may give rise to discontent. Thirdly, these Associations, which after all are Associations of individual members, have the right of voting through the individual members of which they consist. Therefore already the commercial interests are represented through the votes And if in addition we give the right which these individual members have. of representation to these very individuals taken collectively, we will be giving the right twice over to the same individuals. And then I submit that, that with the former of the two amendments this provision of section 8 is wholly unnecessary After all it appears that the total number of nominated Commissioners and the representatives of certain bodies comprises one-third of the whole number, that is 25, and I fail to see what difference it will make whether the whole of that number, 25, is left to be nominated by the Government; or whether 10 of them are elected by certain specifically named bodies, and the remaining 15 only by the Government. No objection has hitherto been raised as to the exercise of discretion by the Government as far as the commercial interest is concerned. As long as no such objection is raised, I submit it will be better far to let the whole number be nominated by the Government than to reduce the number to be appointed by Government to 15, and to leave these particular Associations to elect 10. It is quite possible that in the general elections the commercial interest may be adequately represented. In that case it will certainly be unfair that the commercial classes should have the still further privilege of electing the 10 members mentioned in the last paragraph of section 8 to the prejudice of other minorities which have an equally fair claim to representation. It would be better, in order to meet all possible contingencies, to leave the nomination of the whole number to the Government, so that the Government might be in a position to supplement the representation of the commercial interest if necessary, or to give a large proportion of the 25 nominations to other minorities, such as the Mahomedan community as occasion might require. I submit that no class of interests will suffer by allowing the whole number 25, to be nominated by Government, whereas there is every probability of other interests suffering if the Government nominations are reduced to 15, and these voluntary Associations are allowed the right of electing 10 repre sentatives.

The Hon. Sir Alfred Croft said:—I had very much graver doubts, when I entered the Council to-day, as to the wisdom and the desirability of introducing this clause empowering certain Associations to elect members of their own body,—much graver doubts than I have now, since I have had the advantage of hearing the speech of my hon. friend, the Chairman of the Corporation, and the reasons which he has advanced as to the necessity of strengthening the party of progress in the Municipality. The result of giving to the Chamber of Commerce, the Trades' Association, and the Port Commissioners the right of electing 10 members will, I am convinced, be to strengthen that party which Sir Henry Harrison says so much stands in need of strength-The possible consequences to the Mahomedan community of reducing the number of nominations that remain in the hands of the Government have been dwelt upon in a very serious way by my hon. friend, Moulvie Abdul Jubbar. Still I understand that in distributing its nominations, whether they be 15 or whether they be 25, the Government habitually exercises its power with reference to the comparative strength of parties as determined by the result of the preceding elections, and with the object of redressing any inequalities

that may have arisen. If therefore the European element in the Municipality has been strengthened by the addition of 10 members elected by these bodies, the Government would be justified in appointing additional members from any other section of the community which, in consequence of that fact, might stand in need of strengthening. But there is another point to consider. I am not inclined to attack any great importance to the distinction of Europeans as such, or of Mahomedans and Hindus as such. Distinctions of this kind do not seem to me to be relevant to the constitution of the Municipality. We have been told that there are two elements in the Municipality,—the party of progress, constituting a motive power, and the conservative party or party of criticism; and that on the just balance of these two parties the success and strength of the Municipality depend. It is probably by considerations of this kind that the Government would be guided in making its appointments; and if so, the question of Mahomedan, or Hindu, or European would not arise at all in that form. Another difficulty has been raised on the ground that these bodies are self-constituted Associations. It has been stated that the giving of the right of election to these Associations will create difficulties hereafter, in dealing with the claims of other Associations of a similar character. But there is one consideration which will bring these difficulties within very narrow lin its, namely, that of the qualifications on which the right should be based. It seems to me that the only qualifications that can be recognised are the owning or occupation of property, or the paying of taxes, or the having in some other way a close pecuniary interest in the good government of the town, in the application of the Municipal Fund to the best purposes, and in the promotion of trade and commerce. If you put it in that way you at once get rid of a large number of Associations which are not connected with the objects I have named, as for instance literary Associations generally. It is true that the three Associations named in the Bill have no statutory character; but as a matter of common notoriety they have so defined and permanent a character that we can well recognise their existence. And with regard to the other contention that the votes will be given twice over, because the members of the Chamber of Commerce and of the Trades' Association have the right to vote in their individual capacities and collectively in the Associations of which they are members, I consider that the two qualifications differ materially. As occupiers of houses and as payers of taxes they have a right to their individual votes; as a body associated for a very definite object, namely, the promotion of trade or commerce, they are entitled to representation on very different grounds. It seems to me, therefore, that the contention against double voting falls to the ground.

The Hon. Sir Hinry Harrison said:—Although this is not a question to which I attach very great importance or look upon as vital to the Bill, still as I am disposed to concur with the amendment, the Council will probably like to hear my reasons. I assume that, though in charge of the Bill, I am at liberty. if I think any proposal in it mistaken, in supporting an amendment which proposes to alter it. Whether my reasons are sufficient or not, I must leave the Council to judge. I think it but fair to recognise the fact that the system of nomination by Government is the system in possession. All the arguments for not disturbing the proportion of two-thirds, or for building so much on the present foundation, apply here to leaving the nomination as heretofere in the hands of Government. Secondly, it is an advantage to leave the hands of Government free. The object of leaving to the Government the nomination of one-third of the Commissioners is admitted on all sides to be mainly to secure better representation, that the Government may reduce inequalities as far as they are produced by the clections. In this case the Government would have greater power of doing so if all the nominations were left in their hands than if 10 nominations were taken away. On the other hand, I most distinctly say that if the representatives of these bodies can be induced to work, they are just the persons As far as the Port Commissioners are concerned, they are entitled to have their own representatives on the Corporation if only by reason of the large amount of rates they pay. As far as the Chamber of Commerce is concerned, the endeavour has hitherto been to try to induce the leading members of that body to sit on the Corporation, but unfortunately